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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIII,

NEW YORK, DECEMBER 5, 1923

NUMBER 23

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In This Issue { *Dr. Kaufmann on Narcotic Treaty*
Japan Rebuilding Chemical Plants

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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

DRUG & CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 23

[DECEMBER 5, 1923]

GOVERNMENT AID TO INDUSTRY

While the public has had a general idea of the improved service furnished by the Department of Commerce during 1923, and exporters of manufactured goods and importers of raw materials have materially benefitted by the greater facilities offered under Mr. Hoover's plan of reorganization, no one realized the extent of the improvement until the publication of the annual report of the Secretary of Commerce reviewing the year's work. Foreign producers of certain raw materials essential to key industries in the United States have been combining gradually during the last few years to control prices, notably in nitrates, quinine, tanning extracts, quicksilver, tin, cork and tungsten, and in some products vital to other than chemical industries, such as sisal and rubber. While combinations in the domestic field have been checked and in many cases dissolved, it has been found impossible to reach foreign trusts by means of the anti-trust laws applicable only within the United States.

When Congress authorized an investigation of these combinations by the Department of Commerce, however, an immediate check was put to advancing prices, and the foreign interests at once showed more consideration and moderation, says Secretary Hoover. The search for alternative sources of raw materials, such as the Philippines for rubber, synthetic manufacture of camphor, production of nitrates from the air and similar substitute methods, brought the foreign producers to a realization that they were killing the goose that laid the golden egg, and the result was beneficial to many American industries.

Conditions will continue to improve, in all probability, because the Department was authorized to recommend retaliatory legislation as a protection against the unjust practice of certain monopolies in foreign countries of charging all the traffic would bear. Necessarily the higher cost of these raw materials was passed on to the consumer in this country, and the autocratic stand taken by producers could be met only by retaliatory methods to make them bend the knee. The result seems to assure protection in some lines for the present at least.

The work of the Department of Commerce in the elimination of industrial waste by revising specifications for governmental and municipal buying; in simplification of sizes and grades of products, such as the reduction in kinds of hotel china-ware from 700 to 160, grades of asphalt from 88 to 9, paving brick from 77 to 6, and milk bottles from 59 to 3 sizes, has been a tremendous saving

to these industries. It was the work of the Department of Commerce, also, that brought together stocks of coal for the various industries, amounting to 75,000,000 to 80,000,000 tons, and protected them against enforced shut-down during the five-months coal strike.

"IF I MADE BLEACHING POWDER—"

"If I made bleaching powder, I believe that at present prices the best thing might be to shut down the plant. Of course, competitive fights frequently drive prices way under cost of production, but in the case of bleach, things might not be so bad if the stuff were put right off the market. . . . Of course, bleach has its uses, but I believe that in ninety per cent of the places where it is being used to-day, it could be replaced by chlorine with great saving to American industry. Think of the tons of lime which are being carted around the country to-day in order to act as a vehicle for about thirty per cent of its weight of chlorine. . . . It's the chlorine the bleach user wants, not lime, and frequently the latter is a nuisance in the plant."

Although DRUG & CHEMICAL MARKETS believes that it little behooves a publication to advocate any one product as against another, it does believe that the foregoing words of a prominent chemical engineer convey an economic principle well worth thinking over. Consumers of bleach are paying three times the freight which they would pay on liquid chlorine. They are very likely paying about twenty-five per cent more for their chlorine based on the content of ordinary bleaching powder than would be the case if they bought chlorine alone. This is evident with a three cent chlorine market and bleach at \$1.25. Then there is the elimination of the waste spent bleach, ordinary slacked lime, which is insoluble and a plant nuisance in numerous instances.

If the chemical industry does not take the lead in putting through chemical economies, who should? Bleaching powder is a relic of past ages when the liquefaction of chlorine was a difficult laboratory achievement, and shipment by railroad an impossibility. We have no quarrel with bleach, an indispensable source of chlorine in the past, but it certainly illustrates a case of a product outliving its economic usefulness. As a key industry, the American chemical industry must keep pace with

others in cutting out dead wood. In time, consumers will probably be forced to abandon bleach for the more modern chlorine, so an eye to that time might not go amiss. The present depression in bleach prices and the low figures quoted for chlorine, bring the problem very forcibly to mind. Possibly it might be a good thing for the bleach manufacturers themselves if they were forced to abandon production by low prices. Most certainly, every consumer would benefit in the long run.

AMERICAN CHEMICAL SELLING

Sir Alfred Mond, a leading figure in the British heavy chemical industry, says that the American chemical salesman and the American method of selling chemicals are far ahead of anything being done in England. Salesmanship in the United States is treated as a science, he says, and Americans have taken the place of the German technical dyestuff and chemical salesmen, not having forgotten their pre-war competition.

All that Sir Alfred says is probably true. American chemical salesmen are possibly ahead of anything they have in Europe, but the disconcerting question arises, what have they got in Europe? Because we are better,—if we really are—does not necessarily mean that we have reached perfection. Too many American salesmen can tell but little outside of the routine facts regarding the products which they sell. Too many fellows, in the case of the most trivial inquiry outside of the ordinary, must "take it up with the office." Many are the salesmanagers who, if they could get their staffs to learn more about their products and uses, instead of confining reading activity one hundred per cent to the sport pages, would not grow gray quite so young.

Then Sir Alfred fails to make mention of the fact that a salesman's ability is rated on what he sells and not on what he knows. The best informed salesman may fail to bring in an order if he "high-brows" the P. A. The same fellow may fail if he gets into a price-cutting situation in which his house refuses to join. An A-1 man on the road with a Z quality line of chemicals cannot hope to repeat on his orders no matter how well trained he may be. If a salesman can demonstrate the use of his product in the mill, sell the idea to the buyer, and then cannot meet a price in competition, what is the sales value of his knowledge?

Of course, extenuating circumstances exist and salesmanship is seldom comparable. It was purely the tendency toward technically and specially trained salesmen which attracted the attention of Sir Alfred Mond. Because he commends us for being pretty good salesmen, is no reason to sit back in smug satisfaction. If America's excess production of chemicals is to be kept moving during the next ten years, more intelligent selling and more aggressive salesmanship than the American chemical industry, or Sir Alfred either, has ever seen, must be brought into play. The British chemical baronet's words are cheering indeed, but

they should only assure us that we are fairly well equipped to get busy and prevent over-production from eliminating a portion of our industry.

The rapidity with which Japan is rebuilding the chemical and dye plants destroyed in the recent earthquake is evidence of the energy and executive ability of the country's industrialists. Dyestuff companies have already placed their products on the market, particularly aniline dyes and intermediates, but a good field is open for foreign colors owing to the fact that the consumption is double the domestic output even in normal times.

An interesting report covering the imports of bacteriological stains and chemical reagents for August, September and October has been issued by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission. While the quantities and valuations of the products imported are small, the statement shows that the entire list of fine chemical reagents came from Germany and 95 per cent of the bacteriological stains.

Many Men: Many Minds

Viscount Leverhulme, British soap manufacturer, says: "The United States has benefited through free interstate commerce among its 110,000,000 people. If you profit by this internal free trade why not profit all the more greatly by extending it to the billion and a half people on the outside?"

Some years ago a saddlery manufacturer, anxious to advertise his goods in Spanish-speaking countries, sent out pamphlets concerning single-horse buggy harness which he had for export, says "Commercial Reports." The translator made a literal translation, and the result was "Harness full of bugs, for a bachelor horse."

Elbert H. Gary, chairman of the board of the United States Steel Corp., in an article in the January issue of "System" on "What's Ahead for Business in 1924," says that the tide of prosperity in the United States cannot easily be restrained. He adds: "Do not treat transient hindrances as if they were permanent, immovable obstacles which we can neither go around nor go over. The outlook is good—1924 should be a better year than 1923. There will be success for those who proceed with good judgment and prudence, extending and progressing carefully within the limits of their resources."

Export business of Corn Products Refining Co., has been characterized by dullness during the past four months owing to increasing uncertainty of conditions abroad, says the "Wall Street Journal." Grinding is expected to begin next spring in the company's new plant in Germany. This will be the only grinding plant constructed at low cost and will be the only grinding plant of Corn Products Co. in Europe. Heretofore corn ground in this country was shipped abroad for further refining and marketing there. The corn crop of South Africa which has been found economical in experimental grinding at the Edgewater (N. J.) plant will be used in the German plant. Under present conditions this crop can be landed at mills in Germany at lower cost than the European crop.

Europe and the Narcotic Treaty

The View of Dr. Adolf Kaufmann, Geneva Manufacturer, on the Swiss Attitude Toward the Opium Convention

THE Swiss pharmaceutical industry for more than a year has been studying the Hague Opium Treaty. In America, the position taken by Switzerland on the Treaty is frequently misconstrued, and so I wish to make clear at the beginning that if the treaty has not been ratified to date by Switzerland, this is not due to the fact that the government and population of my country is less in sympathy with the aims of the Treaty than other countries, but that constitutional obstacles lie in the way of ratification by the Swiss Federal Council.

Switzerland is a confederation of federal states, consisting of 20 cantons, similar to the United States of America. The constitution specifically guarantees the freedom of trade and commerce. The sanitary and industrial officials are however employees of the canton. Accordingly, the cantons which are interested to-day in the problem, for instance Basle and Geneva, control the opium-consuming industries. As, however, the Confederation alone is empowered to make state treaties with foreign countries, the said cantons cannot of course become members of the Hague Convention. On the other hand, of course, the Confederation can only make such treaties, in regard to which the constitution specifically grants it the right of legislation without violation of the sovereignty of the canton, the Confederation has also repeatedly referred to this fact in its communications to the international commissions and Minister Carlin specifically declared in the name of the Confederation to the Hague Conference of 1913: "that in signing the convention his government had made the reserve that, for constitutional reasons, it would not be possible to put the convention in force within the three months mentioned in article 24, but that steps were being taken with a view to secure the necessary constitutional modifications and to enact the required cantonal legislation."

After the Confederation has taken this position for years, it appears impossible that to-day, under the pressure of the League of Nations, it should differently construe the Constitution, whose custodian it is. Ratification of the opium convention by the Federal Council therefore would necessitate a revision of the Constitution, which can only be done by a vote of the people.

Whether the Swiss people would vote the Federal Council or Bundesrat the right to legislate in this matter need not be decided here. There was recently defeated by the Swiss people a bill for the regulation of a monopoly-free alcohol industry for the reason that the nation would not acknowledge the competency of the Confederation to restrict or limit industrial freedom, not even of obvious evils. It must not be forgotten that to date no significant misuse of opium or cocaine has been found in Switzerland. Therefore, if the Bundesrat sets in operation the expensive machinery for a public vote and constitutional revision, this would be done only

The Opium Convention held at the Hague last June was a storm center in the world-wide narcotic problem. The countries of Europe were quite generally criticized in the American press for their "ifs and buts" and were accused of insincerity. Among the countries which did not agree to accept the treaty to restrict opium production was Switzerland, one of the chief narcotic producers of Europe. To include Switzerland in the criticism was unjust, according to Dr. Adolf Kaufmann, general manager, Usines De L'Allondon, fine chemical manufacturer of Geneva, who has given the Swiss view of the subject to a representative of **DRUG & CHEMICAL MARKETS**. Dr. Kaufmann believes the Swiss attitude has been misjudged in the United States.

to give the League of Nations a new proof of its active sympathy and not to stand behind other countries in humanitarian international aims. It is very possible that our nation would accept an opium bill for these reasons despite the perception that this would result in affecting very disadvantageously a part of its industry.

Dr. Kaufmann then explained the attitude of the Swiss Pharmaceutical industry toward ratification of the Opium Treaty. He said: "The Swiss industrialists have themselves suggested to the Bundesrat, in the interest of the public health, a regulation and strict supervision of the domestic Swiss consumption of opium, opium derivatives, and cocaine, but with a thorough knowledge of the present provisions of the Hague Convention and the execution of same by the contracting

countries, our industry has become firmly convinced that the actual aim of the Convention, viz. the restriction and ultimate suppression of the misuse of opium," cannot be brought about by the present provisions. On the contrary, it is believed that under cover of humanity, the Convention will be exploited by certain contracting countries for the obvious organization and creation of an opium monopoly.

"It is certainly to be regretted that a so eminently humanitarian problem, as that of the abuse of narcotics, must find its explanation and solution finally in the conflict of international competition. As a matter of fact, the industrial consumption of opium and coca leaves by Swiss factories is not great, as it amounts to only about 1/20 of the world consumption. Every one knows that this market is controlled by English and German prices. Nevertheless, the Swiss pharmaceutical industry would be concerned about the future were the manufacture of opium derivatives and cocaine derivatives made impossible by a stricter regulation than obtained in other contracting countries through the Bundesrat. In this case, the foreign factories would enjoy so great a preference over our domestic industry that our competition would be seriously hampered in other fields also. It is to be understood that under these conditions the Swiss pharmaceutical industry would like to see the ratification of the opium convention signed with certain reservations only."

When asked if the Opium Convention could effectively check the excess opium consumption, Dr. Kaufmann said: "This question has already been answered in your paper. Do you remember your article in June, 1923, 'Narcotic Fakery in Geneva?' You wrote at the time: 'The only method which can effectively stamp out drug addiction all over the world is to reduce opium production to the exact needs for scientific and medicinal purposes. Laws piled upon laws without this control at the source have been, and will continue to be, ineffective.'"

"It is very obvious that the Turkish, Persian and In-

dian farmer will plant opium only so long and to the extent that he can find a market for same. It is just as obvious that the European, American or Japanese manufacturer cannot manufacture more opium derivatives, morphine, etc., from opium than are contained in it in the natural state. On the contrary, when manufacturing the derivatives, a certain proportion is lost and a further quantity of the most violent poisons, such as thebaine, narcotine, etc., are practically destroyed and eliminated. It would be in the interests of medical progress and supervision, as well as dosage, if all raw opium would have to be subjected to some manufacturing process. At all events, however, it is irrelevant for the improper consumption of the poison, whether same is introduced on the market in the form of raw opium or in the form of morphine. In this connection I would like to mention that an equivalent quantity of raw opium is undoubtedly more harmful to the body than the corresponding quantity of pure morphine.

"On the other hand it is certain that if the countries producing raw opium, Turkey, Persia, India, were to restrict, or even prohibit the cultivation, the production of the derivatives would automatically be restricted or even rendered impossible. It is true that in single industrial districts an increase in the production of opium derivatives could take place, but this could only take place by "transfer," as, for instance, that of Switzerland for easily explainable reasons might be increased at the cost of Germany's. An increase exceeding the quantity of raw opium on hand for industrial consumption or manufacture is not possible. Under these conditions, it is impossible to understand how the League of Nations wishes to project itself into the commercial and industrial freedom of highly developed industrial countries, particularly as such interference can only result in favoring of some one country, and acknowledge the root of the evil, the cultivation of the poppy, as legitimate. The opium convention has been signed by the great nations, who represent more than half of the world consumption in raw opium and more than 90 per cent of pure opium derivatives and cocaine, more than 10 years ago, without even the slightest success having been shown in the fight against the abuse of narcotics.

"The admission of Switzerland as a member of this Convention—a country which does not produce one ounce of raw opium or coca leaves and to-day consumes only about 1/20 of the world consumption of pure derivatives industrially, can of course not conduce any toward success. This success can only be obtained if the American project is realized and the production of raw opium in India, Persia and Turkey is restricted to the quantity absolutely necessary for medical consumption."

G. E. Williams, vice president of Universal Gypsum Co., Chicago, announces that the company will begin at once the construction of a \$250,000 plant upon 460 acres it has acquired near Rotan, Tex. The plant will have a daily output of 200 tons and will employ a hundred men. The company now owns plants at Fort Dodge, Ia., and Batavia, N. Y.

George M. Boardman, formerly president of Patterson, Boardman & Knapp, New York, importers of gum, wax, and oils, died at his home in Brooklyn, recently, following a short illness. He was 58 years old and leaves a wife, a sister, Mrs. Dwight Wyman, and a brother, E. Henry Boardman.

Fire destroyed the storehouse of Bushwick Cork Co., Bayonne, N. J., on Nov. 29, with loss of 900 bales of cork valued at \$30,000.

Business Brevities

A. H. Weir, of J. C. Francesconi, left recently for San Francisco to take charge of the company's edible oil department in that city.

Edward Plaut and T. E. Caruso, of Lehn & Fink, New York, recently left on a short trip to the branch offices of the company at New Orleans, St. Louis, Kansas City, and Chicago.

Casper Smith, of Smith Chemical & Color Co., New York, is on a business trip through the Middle West. He reports that conditions in this territory warrant the continuance of the optimistic feeling that has been evident the past year.

Southern Chemical Co., Monroe, La., capitalized at \$250,000, of which \$150,000 has been paid in, will be the first company to manufacture calcium arsenate in the South. Operations are expected to begin about Dec. 15, producing seven tons daily early in January.

A Code of Ethics in regard to trade practices in the sale of chemical equipment has been adopted by the Chemical Equipment Association. Edwin C. Alford, T. Shriver & Co., chairman, W. B. Tardy, Schutte & Koerting Co., and A. B. McKechnie, Parks-Kramer Co., comprised the committee which drew up the code.

In connection with the 1924 Spring meeting of the American Chemical Society at Washington, D. C., the Chemical Warfare Service is planning a large display of warfare devices at Edgewood Arsenal. The exhibits will be under the personal direction of Asst. Secretary of War Davis and Brig. General Fries, Chief of the Chemical Warfare Service.

Dewey & Almy Chemical Co., Cambridge, Mass., manufacturers of chemical specialties, sealing compounds, soldering fluxes and adhesives, has broken ground for a branch factory in Greater San Francisco. Bradley Dewey, president of the company, is on the ground to superintend building operations. The value of the first year's production is placed at \$200,000.

The Baltimore Drug Exchange will hold its annual meeting and dinner on the evening of Dec. 10 at the Emerson Hotel. The Food and Drug Commissioner of Maryland, the Prohibition agent of the State, the dean of the Department of Pharmacy, University of Maryland, the drug representative of the State Board of Health and other officials are expected to make addresses.

Wholesalers can notify a manufacturer that they will discontinue dealing with him unless the manufacturer ceases selling directly to the retailers in the wholesaler's territory, or pays them a regular wholesaler's commission on such business, without violating any law, according to a decision by the United States Supreme Court in its hearing of a case brought by the Federal Trade Commission against Raymond Bros.-Clark Co., of Nebraska.

Average weekly earnings of drug and chemical factories in New York state, in October, were a dollar higher than in September, according to Industrial Commissioner Shientag. Among the related industries, earnings went up in the manufacture of perfumes, candles, and, although it is the end of the season, of photographic supplies. Earnings went down in the petroleum refineries, the other oil plants, the glue and fertilizer factories, and in the making of paint.

ASK HIGHER DUTY ON FLAXSEED*(Special to Drug & Chemical Markets)*

Washington, D. C., Dec. 5—Increased duties on flaxseed and flaxseed products are asked by Senator E. F. Ladd and Representative George M. Young, both of North Dakota. The Congressmen have filed with the Tariff Commission a formal application requesting an increase in duties on flax from 40 cents a bushel to 60 cents, with corresponding increases in the duty on linseed oil. Bills have been introduced in the Senate by Mr. Ladd and in the House by Mr. Young calling for an amendment of the Tariff Law to increase the duty on flaxseed and flaxseed products.

They state that their investigations regarding the production of flaxseed disclose that the chief competing country is Argentina and the chief competing country for the production of linseed oil is England. The yields of flax in Canada are lower than in the United States and for that reason the production costs are higher than here. The yields of flaxseed in Argentina are decidedly higher than in the United States, which is a fact, they say, that argues strongly for favorable action either by the Tariff Commission or by Congress.

ENLARGE HONGKONG CAMPHOR FACTORY

The camphor refinery belonging to A. S. Watson & Co. (Ltd.), the largest drug and chemical firm in Hongkong, was wrecked by the heavy typhoon of Aug. 18, and the company has decided to increase the size of the plant which it is constructing to replace the old one, writes Consul Wm. J. McCafferty. The new plant will have a capacity of approximately 10 tons of high grade refined camphor per month. It is the intention to specialize on camphor in tablet form, the tablets to vary from one-eighth of an ounce to 2 ounces in weight, and the camphor will have a purity of from 99 to 99.5 per cent.

New machinery has been added to the plant to facilitate the manufacture of the tablets and to simplify the refining process, and it is hoped that this new equipment will be in full operation by January, 1924. Until this refinery is completed A. S. Watson & Co. will furnish its customers with camphor from a temporary plant which has been recently erected but which has a very limited capacity.

MILLER OF DAVISON CHEMICAL RETURNS

C. V. Miller, president of Davison Chemical Co., issued the following statement on his return from England: "My trip to Europe was most satisfactory in every respect, with the result that we have closed more contracts in England than we have made here. I regret very much to find upon my return that speculators had used rumors regarding silica gel for the purpose of manipulating the price of Davison Chemical shares. In my last two annual reports I expressed my confidence in the future of silica gel and gave the stockholders definite information regarding the progress we made. I wish to say most emphatically that none of the officers of the company has ever been interested in manipulating its stocks."

The first Canadian dye plant will be located at Kingston, Ontario, if the City Council grants its support to the project. Construction of buildings valued at \$250,000 will be begun early in 1924. The corporation will be headed by Dr. F. W. Attack and the capitalization is expected to reach \$2,000,000.

Irving M. Sobin Co., Inc., Boston, Mass., has moved to 85 Purchase st.

JAPAN REBUILDING CHEMICAL WORKS DESTROYED BY FIRE AND EARTHQUAKE

Domestic Aniline Dyes and Intermediates Already on the Market—Nearly 12,000 Industrial Plants Damaged in the Tokyo and Neighboring Districts—More Than 100,000 Workers Unemployed

In the Honjyo and Fukagawa Districts of Japan many chemical factories were almost completely destroyed, in the recent earthquake. There were about 1,100 factories, including all industries, in the two districts, employing 70,000 people, according to advices received by the American Chemical Society. The total number of industrial plants in the Tokyo Prefecture was about 25,125, employing 152,906 male and 72,391 female workers; 10,913 factories were destroyed and 78,207 people lost their positions. The total damage of the factories is estimated to be about 30 to 40 per cent.

The important factories situated outside the burned districts can begin work after two to six months. The recovery of these factories is not easy; they must build new buildings and gather workmen, machines, and raw materials. The government will lend money for recovering these totally or partly destroyed factories at low interest through the Industrial Bank of Japan or the Agricultural and Industrial Banks. Thousands of male and female subworkers were killed or scattered into the country. This will greatly hinder the recovery of many of the factories.

Like other chemical industries, the report adds, the dyestuffs industry in Japan has made rapid progress since the war. The Nippon Senryo Kaisha in Osaka, subsidized with 10,000,000 yen by the government, has grown to be the largest and most representative. With the aid of the government money the manufacturing processes of the following substances have been completed: 158 kinds of aniline dyes, 148 kinds of intermediates, of which 45 aniline dyes and 59 intermediates have been placed on the market. The annual manufacturing capacity is 2,200,000 kin of aniline dyes including aniline salt, while the annual consumption of aniline dyes is about 4,700,000 kin.

Arnhold & Co., Inc., is the new name of Arnhold Brothers, 21 to 24 State St., New York, the firm having incorporated under the laws of New York. The partnership has been liquidated and the company has taken over the business as of Dec. 1. The officers are Joseph Read Patterson, president; Allan MacBain Stewart, vice-president; Arthur Nelson Walker, treasurer; Edward Gibbons Reilly, secretary. The foreign offices of the company are in Shanghai and China.

Harry Carpenter Mfg. Co. has been organized for the manufacture of intermediates at Belleville, N. J. Initial production is about 5,500 pounds daily which it is expected will be doubled with plant expansion. Harry Carpenter, formerly of National Aniline & Chemical Co. and well known in the dye trade, is president, and Harry B. Carpenter, vice-president. Offices of the company are located at 246 Water st., New York.

Dosch Chemical Co., Louisville, Ky., is being reorganized with new capital, replacement of the building burned last July, increased manufacturing capacity, and the election of new officers. Henry Gray is acting president of the company which is capitalized at \$2,500,000.

The Nobel Chemistry Prize for 1923 has been awarded to Professor Pregel Gratz of Yugoslavia, for discoveries in connection with nitro analysis of organic matter. The Nobel Prize for Physics has been awarded to Dr. Millikan, Pasadena, California.

6,180,582 OZS. NARCOTICS IMPORTED

Increase Over Year Ended June 30, 1922, Is 3,480,706 Ounces, Says Commissioner

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 5.—David H. Blair, Commissioner of Internal Revenue in his annual report has the following to say regarding the work of the Narcotic Division of his bureau:

On June 30, 1923, 410 persons were registered under the Harrison Narcotic Law, as amended, as importers and manufacturers, 2,256 as wholesale dealers, 45,356 as retail dealers, 147,891 as practitioners, and 90,492 as dealers in and manufacturers of untaxed narcotic preparations, the latter number including registrants not required to pay special tax by reason of paying another tax under the act, or a total of 286,405 registrations.

At the beginning of the year a total of 457,953 ounces of imported taxable narcotic drugs of all kinds was in customs custody, and 6,180,582 ounces were imported during the year, making a total available quantity of 6,638,535 ounces. Of this, 6,450,605 ounces were withdrawn during the year for domestic consumption and 7,660 ounces were lost, wasted, or confiscated, leaving a total of 180,270 ounces in customs custody at the close of the year.

During the year ended June 30, 1922, a total of 2,699,876 ounces of narcotic drugs of all kinds was imported, while during the year ended June 30, 1923, an aggregate of 6,180,582 ounces was imported, an increase of 3,480,706 ounces. The net aggregate quantity of pure drugs of all kinds contained in products sold by manufacturers to domestic purchasers during the fiscal year 1922 amounted to 1,419,044 ounces, and domestic sales of this description for the fiscal year 1923 involved 2,393,844 ounces, or an increase of 974,800 ounces. The drugs exported involved 377,086 taxable ounces of products and those sold to domestic purchasers 8,493,931 taxable ounces.

A total of 4,194 convictions under the internal-revenue narcotic laws was had, for which the courts imposed sentences aggregating 4,692 years 6 months and 21 days, and fines amounting to \$291,690.46.

The number of agents and inspectors in the narcotic field force averaged 176 for the year. The collections under the narcotic laws for the fiscal year ended June 30, 1923, were \$998,197.41 a decrease of \$270,842.49 over the collections for the previous year.

KLIPSTEIN AND HUISKING BOWLERS WIN

A. Klipstein & Co., defeated the Barrett Co. two games to one in the Wholesale Drug and Chemical Bowling League tournament at Colgate & Co.'s alleys in Jersey City, N. J., Monday evening, Dec. 3. Gorman of Klipstein rolled high score of the match with 204 while Eaton of Barrett made 183. In another league match on Dec. 3, Charles L. Huisking, Inc. defeated the team from the Salesmen's Assn. of the American Chemical Industry two games to one. High score in this last match was rolled by Howe of Huisking who made 186.

Judge Eugene G. Hay, for twenty years a member of the Board of United States General Appraisers, retired from active service on Dec. 3. Judge Hay was a member of Board No. 3, recognized as the most important of the three Customs Boards of General Appraisers in view of the questions involving administrative procedure which fall within its jurisdiction. He retires under act of Congress permitting Federal judges to retire with full pay at the age of seventy. Judge Hay reached this age several months ago.

Books of Trade Interest

RAW PRODUCTS OF THE WORLD. AFRICA. By Ralph Davol, Author of "American Paganry." 264 pages, 8vo. Volume 1. Davol Publishing Co., Taunton, Mass. 1922.

The prospect for economic development of Africa is especially good because this is the second largest continent, and, lying across the equator, has products of the tropical and temperate zones at all times. The undeveloped races offer valuable potentialities of immediate improvement, though the continent will become agriculturalized rather than industrialized during the next few years.

THE CHEMICAL RESISTANCE OF ENGINEERING MATERIALS. By Marston Lovell Hamlin, Assistant Professor of Chemistry, Trinity College, Durham, N. C., and Francis Mills Turner, Jr. Technical Editor, Chemical Engineering Catalogue. 267 pages, 8vo. The Chemical Catalogue Company, New York. 1923.

The occasion for this work was the situation that faced the chemical industries of this country in 1915-18. At a time when, under the stress of war conditions, engineers with no previous chemical experience were called upon to build chemical plants, they were greatly handicapped by the lack of much necessary information in a readily accessible form. The aims are threefold, (a) to present the results of experiments in a full, but not exhaustive way, (b) to serve as a bibliography of the subject by referring to all the sources used, and (c) to stimulate further research by showing what parts are incompletely covered.

WOOLLEN AND WORSTED SPINNING. By Alfred F. Barker, M.Sc., Prof. of Textile Industries, Univ. of Leeds. 344 pages, 8vo. 100 illustrations. Funk & Wagnalls Co., publishers.

In this second volume is made the attempt to bring practice within the limits of scientific methods, and to show the importance of right thinking in dealing with all problems. Charts, drawings and examples are used to bring out the ideas of the author.

INDUSTRIAL FILTRATION. By Arthur Wright, M.E. Volume 1, of Modern Library of Chemical Engineering. 328 pages, 8vo. Chemical Catalogue Co., New York. 1923.

Efforts have been made in this work to advance from the rule-of-thumb methods in the conviction that progress in the art would have been faster if the fundamental laws of filtration had been more fully impressed long ago. The young graduate should be acquainted with the present day filter practice, and also the practical plant man must not rest content with the operation of his own filters, says the author. Criticisms from filter manufacturers and filter purchasers are invited in the hope that their suggestions may improve future editions of the book and further the cause of better filtration.

OFFICE ORGANIZATION AND PRACTICE. By Amy Weaver, General Manager of Weaver Employment Service, New York. 144 pages, 8vo. Ginn and Co., New York. 1923.

From the standpoint of the executive there is an important angle to the office problem. Success of the business depends to some extent on the efficiency and economy of office methods.

METALS AND THEIR ALLOYS. By Charles Vickers, Metallurgical Editor of "Brass World." 767 pages, 8vo. Illustrated by one-hundred and ten engravings. Henry Carey Baird & Co., New York. 1923.

The first part of the work is devoted to a short history of the individual elementary metals, giving the properties of the most important commercially. In the chapters dealing with the various alloys, the aim has been to treat them in a thoroughly practical and straight-forward manner, eliminating vague references. The unskilled as well as the technically trained can use this book to advantage.

QUOTATIONS ON CHEMICAL STOCKS
Closing Prices for Week Ending Dec. 1

	Bid	Asked		Bid	Asked
Air Reduction	67	67½	Heyden Chem.	134	2
*Allied Chem. & D. 66½	67½		Hooker Electro	55	65
*Allied Ch. & D., pf.108	108½		Hooker Electro, pf..	60	70
*Am. Ag. Ch.	12	12½	*Household Products	30½	31
*Am. Ag. Ch., pf.	37	38	*Int. Agricult.	1	1½
*Am. Ag. Ch., pf.	15½	16	*Int. Agricult., pf...	5½	6
*Am. Chiclé, pf.	45	55	*Int. Nickel, pf.	11	11½
*Am. Cot. Oil.	9	9½	*Int. Nickel, pf.	80	83
*Am. Cot. Oil, pf.	27	28	*Int. Salt	76½	89½
*Am. Cyan.	84	87	*Mathieson Alk.	41	41½
*Am. Cyan., pf.	75	78	Merck & Co., pf.	63	67
*Am. Druggist S.	5½	6	Merrimac	96	..
Am. Glue	82	85	Mulford Co.	29	34
Am. Glue, pf.	124	126½	Mutual Co.	150	..
*Am. Linseed	15½	16	*National Lead	125	126
*Am. Linseed, pf.	32	34	*National Lead, pf.110½	110½	112½
*Am. Malt	13	13	N. J. Zino	150	153
*Am. Zinc	7½	8	Niag. A., pf.	96	100
*Am. Zinc, pf.	28½	30	Parke, Davis & Co. 79	80	
*Atlas Powder	52	53	Penn Salt	89½	90
*Atlas Powd., pf.	84½	90	*People's Gas, Chi. 56½	56	
By. Prod. Co.	67	72	Procter & Gamble. 124	128	
Carborundum	135	135½	Procter & Gam., pf. 102	106	
Carborundum, pf.	115½	116	Royal Bak. Po.	125	135
Casein Co.	60	65	Royal Bak. Po., pf. 97	99	
Celluloid Co.	81	85	Sherwin-Williams ..	29½	..
Celluloid Co., pf.	107	110	Sherwin-W., pf.	101¾	..
Ches. Mfg.	230	235	Stand. Ch.	90	100
Ches. Mfg., pf.	111	114	Swan & Finch.	29	30
Com'l Solv. A.	29	30	*Tenn. C. & Chem.. 87½	9	
Do B.	21	23	*Tex. Gulf, Sul.	59	59½
*Corn Products	133	134	Union Carbide	65	66
*Corn Products, pf. 115½	117		Union Sulphur ....	..	..
*Davison Chem.	71½	72	*Un. Drug	77	80
Dow Chem. non par. 46	47		*Un. Drug, 1st pf. 47½	47½	
Dow Ch., pf.	96		*Un. Dyewood	38	41
Du Pont de Nem. 127	128		*Un. Dyewood, pf.	98	98
*Du P't de Nem. Ds 86	88		Un. Gas Imp.	57½	58½
Eastman Kodak	110	111	Un. Gas Imp., pf. 55	55½	
Eastman Kodak, pf. 108½	109½		U. S. Gypsum.	83	85
*Freeport Tex. Sul. 11½	12		*U. S. Indus. Al.	62½	63
Freeport Tex. Sul. pf. 91	93		*U. S. Indus. Al., pf. 94	98	
*Grasselli	125	133	*Va.-Car. Ch.	9	9½
*Grasselli, pf.	102	105	*Va.-Car. Ch., pf. 30	30½	
Hercules Powder	106	110	*V. Vivaudou	14	15
Hercules Powd., pf. 103	107				

*Listed on New York Stock Exchange

New Incorporations

Chemical Industry

United Radium Products Co. of America, New York, \$1,000,000. Registrar & Transfer Co., Dover, Del.
Gage Refining and Smelting Co. of Canada, Dover, Del., \$250,000.
Ores. Alfred Body, A. B. Reynolds, Herman A. Broe, Jr. Delaware Registration Trust Co.
Ida Chemical Co., Wilmington, Del., \$100,000. Guaranty Corp. and Securities Co.
Marleigh Laboratories, Boston, \$20,000. Herbert S. Martin, Thomas Raleigh, Frank Rotondo.
Crown Chemical Corp., 59 Washington st., Newark, N. J., \$50,000.
Chemicals. Richard Townsend, DuBois Beale, Alvin Ahlsen.
Shoemaker & Busch, Philadelphia. Chemicals. Miers and Henry P. Busch, Hiram K. Hine. Representative, James C. Jones, Bullett Bldg.
Kelley Color Laboratory, 587 Summit ave., Jersey City, N. J., \$100,000. Chemical products. William V. and George P. Kelley. Representative, Frederick N. Esher.
East Indian Chemical Co., New York, \$100,000. Chemicals. J. S. Doyle, G. W. Vause, W. Baxter. Representative, H. P. Frece, 35 Wall st.
Unity Chemical Co., New York, \$20,000. Chemicals. A. Sternberg, R. J. Halpern. Representative, L. Lindauer, 185 Joralemon st., Brooklyn.
Pacific Wood Impregnation Corp., Wilmington, Del., \$500,000. Corporation Trust Co. of America.

Consuming Industries

Urma Products Co., Dover, Del., \$100,000. Deal in drugs. John L. Bockel, J. Roseman, Dr. Rudolph Pabst, Philadelphia. Colonial Charter Co.
Portuguese American Baking Co., New Bedford, Conn., \$100,000.
Elias B. Camara, Vincent J. Grace, Manuel P. Rebello.
Kayser Tanning Co., St. Louis, Mo., \$50,000. Leather products.
F. L. Kayser, A. E. Leusler.
B. & H. Novelty Co., 274 South Orange ave., Newark, N. J. Make celluloid. Aaron Berkowitz.
Acme Paper Board Co., Wilmington, Del., \$2,100,000. Corp. Service Co.
Lincoln Piece Dye Works, 102 East 5th st., Paterson, N. J., \$100,000. Make silk and other textiles.
Sterling Borax Co., Wilmington, Del., \$600,000. Corp. Trust Co. of America.
Dental Products Laboratories, Dover, Del., \$400,000. Chemicals. U. S. Corp. Co.
Le Co Pure Beverage Co., Dover, Del., \$50,000. Carbonated beverages. L. C. Espenshieb, A. L. Hamaker, W. B. Franklin, Lancaster, Pa. Corp. Service Co.
Lynch Laboratories, McLean, N. Y., \$100,000. J. F. Lynch, B. J. Lane, R. W. Tomlinson. Attorney, R. G. Chatterton, Groton.

Financial Notes

Universal Gypsum Co., has declared a dividend of 7 per cent on the preferred stock, payable Jan. 15, to stockholders of record Jan. 1.

Anaconda Copper Mining Co. has declared a quarterly 75c dividend, payable Jan. 21, to stock of record Dec. 15.

Kress Drug Co. has filed judgment for \$382.20 in New York county against Bayard Veiller.

American Can Co. has declared a quarterly preferred dividend of 1¼ per cent, payable Jan. 2 to stock of record Dec. 13.

Allied Chemical & Dye Corp. has declared a quarterly preferred dividend of 1¼ per cent, payable Jan. 2 to stock of record Dec. 14.

United Dyewood Corp. has declared a quarterly dividend of \$1.50 a share on the common stock, payable Jan. 2 to holders of record Dec. 15.

Parsons Drug Co., Lockport, New York, has increased its capitalization from 200 shares of \$100 each to 1,500 shares preferred stock at \$100 each and 1,500 common, no par value.

American Cotton Oil certificates of deposit for \$10,198,000 6 per cent non-cumulative preferred stock have been listed by the New York Stock Exchange, as well as \$20,273,100 common stock.

Republic Metals Co., New York, has obtained judgment against Hamburger-Polhemus & Co., covering brokerage on sale of 8,000 cases of Japanese white arsenic in January of this year. The judgment was immediately paid.

Over three-fourths of the shares of American Cotton Oil Co., New York, have been deposited with the stockholders' committee, thereby insuring the success of the plan to exchange these shares for those of Gold Dust Corp. The committee has agreed to accept additional stock tendered for deposit on or before Dec. 10.

Application has been made to list the capital stock of Gold Dust Corp. on the New York Stock Exchange. Authorized capital includes \$5,000,000 of 6 per cent non-cumulative non-voting preferred and 325,000 shares of no par common stock. This stock is being exchanged for that of American Cotton Oil Co.

A. H. Muller & Sons, auctioneers, sold 100 shares National Drug Stores Corp. preferred, and 250 shares of common, for \$625 for the lot, at 16 Vesey st., Nov. 28. Other stocks sold were 703 shares Ivers Lee Co. preferred for \$120 for the lot; \$50,000 in Shasta Zinc & Copper Co. 8 per cent gold bonds for \$500 for the lot; and 417 shares of Shasta Zinc & Copper Co. stock for \$15 for the lot.

Sandoz Chemical Wks., New York, filed a report with the Massachusetts Commissioner of Corporations as follows:—Balance sheet, \$1,178,213.65. Assets—Merchandise, \$771,335.45; machinery, \$10,301.74; furniture, fixtures, tools, etc., \$25,750.64; accounts receivable, \$211,198.10; cash, \$21,184.61; unexpired insurance, \$3,063.04. Deficit, \$135,380.07. Liabilities—Capital, \$100,000; accounts payable, \$1,047,200.90; reserves for bad debts, \$10,000; duties and penalties, \$15,000; commissions, \$470; depreciations, \$5,542.75. The statement, dated June 30, was sworn to in New York, Oct. 30, and is signed by George H. Wagner, Basle, Switzerland, president; Ernest Gossweiler, treasurer, and William Kalsche, secretary.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1564

CAUSTIC POTASH LOWER FOR SHIPMENT

Potassium Carbonate Also Easier—Arsenic Firmer
With Better Buying—Sodium Prussiate Steadier—
Liquid Chlorine Again Reduced—Tin Products Higher—
Barium Chloride Firmer—Alkalis Steady

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Tin Crystals, 2½c lb.	Antimony Oxide, ¾c lb.
Tin Bichloride, 1½c lb.	Barium Chloride, Imp., \$2.50 ton
Declined	
Potash, Caustic, Imp., Shpmt., Chlorine, Cont., Tanks, ¼c lb.	Potassium Carb., 96-98%, ¼c lb.
¾c lb.	Sal Ammoniac, ¾c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.23½	\$1.23½	\$1.23½	\$1.12	\$1.19½	\$1.07
Sulfuric Acid, 66 deg., ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.90	2.90	3.00	3.20	7.50	2.65
Bleaching Powder, 100 lbs.	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate ....100 lbs.	4.80	4.80	4.80	5.75	20.00	4.50
Potash Caustic, Imp....lb.	.07	.07	.07	.06½	.87	.08
Soda Ash, 58 p.c....100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate ..lb.	.09½	.09½	.09½	.10	.65	.06¾
Sodium Prussiate .....lb.	.11½	.11½	.13	.20½	1.25	.18
Average	2.997	2.997	3.008	3.047	10.79	2.99

With the season for the placing of contracts over the coming year at hand, manufacturers are experiencing some activity at present. Spot business, however, is far from satisfactory with most of the buying confined to small orders for immediate delivery. The holiday, last week, slowed up business somewhat but little was expected with the close of the month at hand. As the annual inventory time approaches, consumers are becoming more cautious in their purchases by taking only enough for their requirements this year and leaving little surplus for the coming year. The trend of prices continues downward, especially in the imported products. Domestic chemicals have been fairly steady, though bleach and chlorine are still unsettled.

Arsenic is the most interesting item in the market at present. Spot business has not been especially active but contracts for future delivery are being placed regularly. Prices have become firmer after temporary weakness. Calcium arsenate is also being bought for forward delivery. Caustic potash is easier for shipment from abroad. A further reduction has taken place in liquid chlorine. Barium chloride is higher. Tin products have advanced due to the rise in tin prices. Copper

sulfate is selling for Spring shipment. Antimony oxide is higher. Sal ammoniac is firmer. Copperas is easier. Acids and alkalis are steady.

Acid, Acetic—Buying is somewhat routine in nature with prices holding steady. Makers are quoting 28 per cent, \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Oxalic—Demand has been improving and prices are firm at present levels. Makers quote 12clb. at works and 12½clb. on spot. Imported at 12c@12½clb. according to seller and quantity.

Acid, Sulfuric—Contract withdrawals continue along steady lines while spot business is reported good. Contracts for next year have been satisfactory. Prices are holding at \$15.00@16.00 per ton for 66° in tanks at works. Drums at \$1.10@1.25 and carboys, \$1.25@1.50; 60° acid at \$9.00@10.00 in tanks. Oleum is quoted at \$17.00@19.00 ton for 20 per cent in tanks at works. Drums at \$1.25@1.50.

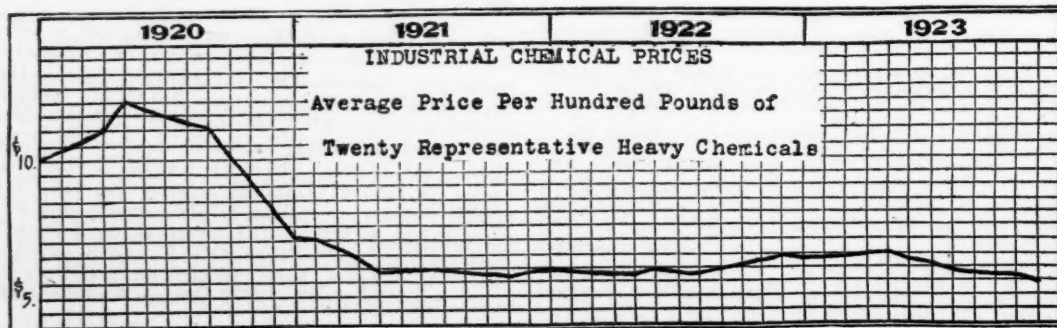
Ammonium Sulfate—Continues weak with offerings at \$2.90 for bulk at works and \$3.00 in single bags. Double bags, f.a.s., are quoted from \$2.90@3.40 according to seller.

Ammonium Chloride—Firmer with supplies offered at 6¾c@6½clb. for imported white. Domestic named at 7¼c@8clb. Imported grey at 7½c@8clb. and domestic, 8c@8½clb.

Arsenic—There was not much activity last week but this week has found the market firmer with quotations at 13½c@14clb. for spot and shipment. Spot material is not in demand at present though occasional sales are going through. With the State of Georgia again in the market for calcium arsenate, this material is becoming active. Prices for calcium arsenate range from 13c@15clb. according to seller and position.

Barium Products—Chloride is stronger at \$85.00 ton for imported. Domestic at \$85.00 spot and \$80.00 works. Carbonate firm at \$70.00 works and \$75.00 for imported on spot. Shipment at \$68.00@70.00 ton. Nitrate, 8½clb. Hydrate, 5½c@6clb.

Bleaching Powder—Prices appear to have settled at \$1.25 at which figure prompt and contract business over next year are being placed. Price shading is less in evidence and buying is reported improved. Chlorine has been reduced again for tanks on contract. The new price is 3clb. Ton cylinders named at 5½c@6clb. and small cylinders at 6c@8clb.



Copper Sulfate—Some business is being placed for delivery next Spring but the current buying is routine and seasonal. Prices for domestic are understood to be below costs with carlots at \$4.60@4.70. Imported material is quoted from 4½¢@5¢lb. according to seller, quantity, and position.

Potash, Caustic—German material is easier for shipment at 6½¢@6¾¢lb. according to seller. Spot goods at 7¢@7¼¢lb. Domestic material is not being quoted at present.

Potassium Bichromate—Prices have been holding steady at recent levels. Demand has not been especially active but makers report more satisfactory buying with a fair volume of contract business over 1924. Quoted at 9½¢@9¾¢lb.

Soda Ash—Contract withdrawals have been along steady lines while most of the business for next year has been practically covered. Prices are named at \$1.38 for 58 per cent in bags at works on contract. Barrels at \$1.63. Dealers quote less-than-carlots at \$2.04, in bags delivered, for five and up, and \$2.29 in barrels.

Soda, Caustic—Makers report steady withdrawals on old contracts and new business for 1924 has been practically covered. Contract prices are named at \$3.10 for solid 76 per cent in carlots of drums at works. Ground and flake at \$3.50 on contract. In less-than-carlots dealers are quoting \$3.76 for five drums and up, delivered, and \$3.91 for less than five drums.

Sodium Bichromate—While some contract business has been placed for next year the bulk of the buying is confined to immediate requirements. Consuming industries have not been active and little activity is expected during the remainder of the year. Prices are holding at 7½¢@7¾¢lb. according to seller and quantity.

Sodium Prussiate—The market has steadied with prices of imported material held at 11½¢@12¢lb. Domestic supplies are quoted at 12½¢@13½¢lb.

Sodium Sulfide—Buying is reported improved but supplies are plentiful and prices are easy in some directions. Solid quoted from 3¢@3¾¢lb. and broken at 4½¢@5¼¢lb. at works. Crystals quoted from 2¢@2¾¢lb. according to seller.

Tin Products—Crystals and bichloride are higher due to the increased cost of tin during November. Crystals at 34½¢@35¢lb. and bichloride 13½¢@13¾¢lb.

The Interstate Commerce Commission has suspended until March 30, 1924, the operation of certain railroad schedules, which propose to cancel the present commodity rates on nitric acid, in carloads, from points in New Jersey and Pennsylvania to destinations in New York, New Jersey, and Pennsylvania and apply class rates instead.

Representatives of the Department of Commerce and Department of Agriculture are studying the nitrate problem in an effort to make the country self-sustaining for agricultural needs as well as for wartime necessities. Particular attention is being given to the Muscle Shoals offer by Henry Ford.

Ammonium sulfate from Henry Ford's steel plants will be the subject for an aggressive sales campaign through Ford car dealers all over the country, according to a report from Detroit.

E. I. du Pont de Nemours & Co., will build a two-story factory, 40 x 80 feet, at its Newark, N. J., plant.

DISINFECTANT MAKERS MAY CHANGE NAME

Several amendments to the constitution of the Insecticide and Disinfectant Manufacturers Association will be voted upon at the meeting to be held at the Hotel Astor, New York, Dec. 10 and 11. First, it is proposed to change the name of the association by eliminating the word "insecticide" from the corporate title; this for the reason that the membership as now constituted is made up almost wholly of manufacturers or distributors of disinfectants and household insecticides, and does not embrace those whose chief interest lies in the making and marketing of plant insecticides. Second, to permit the admission of associate members at reduced cost, such members to enjoy all the privileges of the association, but not entitled to vote.

The Committee on Arrangements is making considerable progress. Major Kobbe will give an illustrated lecture on the mining of sulfur; representatives of the Rotary and Kiwanis Clubs and Merchants Association will speak on topics of timely interest; R. N. Chipman will speak on the development of the insecticide industry and broadcast a talk on the subject via radio-phone Monday evening; Mr. Gesell of Lehn & Fink, Inc., has arranged to have the members inspect the Bloomfield, N. J., plant of his company; a delegate from the Chemical Salesmen's Association will tell of the value of training salesmen, and other features will be booked as soon as arrangements can be definitely made.

INCREASE IN FERTILIZER EXPORTS

The exports of fertilizers and fertilizer materials expanded 32% in value and 27% in quantity during the first nine months of 1923 compared with the corresponding period of 1922, having risen from \$13,082,630 (707,738 tons) to \$17,210,449 (896,332 tons). As was characteristic of the other groups, this class also showed a loss in the third quarter from the second quarter, but a gain over the first quarter.

Demand for sulfate of ammonia, which formed over half of this group, advanced 28% from \$7,076,650 (120,959 tons) in the first nine months of 1922, to \$9,087,848 (124,600 tons) in the first nine months of 1923. Of the foreign countries receiving United States sulfate of ammonia, Japan took two-thirds of the total, and Cuba and Hongkong each one-tenth. During the nine months of 1923, there were despatched \$550,057 (12,309 tons) of other nitrogenous materials.

Shipments of phosphate rock in the same period increased 10% from \$4,442,948 (535,920 tons) to \$4,872,544 (673,467 tons). Superphosphates to the value of \$409,602 (32,153 tons) were shipped to foreign countries. Gains were also made in the exports of prepared fertilizer mixtures, \$670,747 (14,427 tons) having been exported.

ARSENIC CONFERENCE TO BE HELD DEC. 7

A conference on arsenic and calcium arsenate will be held Dec. 7 in New York as a result of an invitation sent out by the standing committee of producers and Government experts. The Bureau of Entomology, Department of Agriculture will give a summary of the present situation in respect to arsenic supplies and needs of arsenate in 1924. All groups, from producers of arsenic to cotton growers, are expected to be represented at the conference.

A. C. Thompson, formerly of Frost & Cundill prior to dissolution, has become connected with Victor & Hosken, New York, in charge of the arsenic department. The company represents Japanese producers in the United States.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1562

BETA-NAPHTHOL HOLDING FIRM

Demand Confined to Moderate Quantities—Aniline Oil Steady on Routine Demand—H Acid in Fair Request—Benzol Market Still Unsettled—Naphthalene Firmer—Phenol and Cresylic Acid Quite Steady—Pyridine Lower.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

No Advances

Declined

Pyridine, 25c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.21	\$.21	\$.22	\$.80	\$1.10	\$.25
Naphthalene flake ....lb.	.06½	.06½	.06½	.06½	.16	.08
Phenol, Spot .....lb.	.26	.26	.26	.35	1.50	.08
Toluene .....gal.	.23	.24	.25	.30	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..lb.	.35	.35	.35	.30	1.25	..
Benzaldehyde .....lb.	.75	.75	.75	.55	..	..
Betaraphthol .....lb.	.26	.26	.26	.24	1.50	.08
Dimethylaniline .....lb.	.40	.40	.40	.39	1.30	..
Paranitroaniline .....lb.	.74	.74	.74	.73	1.58	.18
Average .....	.342	.342	.345	.338	..	..

The market in coal tar crudes and intermediates is generally quiet with demand along routine lines and prices holding steady. The curve of prices in this market has been running smoothly during the last few months. Benzol and toluol have been unsettled and prices have been subject to shading here and there during the last month or two. The recent advance in betanaphthol, however, equalized the lower tendency in the other products. Aniline oil has been holding steady though demand has not been encouraging. H acid is in fair request but makers are easily meeting present demand. Ortho-toluidine is back to its former selling level after an upward flurry for a few months. Dimethylaniline is slightly lower. Alpha-naphthylamine is steady.

Benzene and toluene are holding at the low level recently established, with the market somewhat unsettled and competition between sellers keen. Supplies are ample at the present time with consumers taking supplies only for immediate requirements. Phenol has been holding steady. Naphthalene is firmer with higher prices named in some quarters. Cresylic acid is unchanged. Pyridine is lower on spot and for shipment.

Coal Tar Crudes

Benzene—Unsettled conditions are noticeable in the market with competition keen and prices holding at recent low level. Pure benzene is quoted at 21c@22c gallon in tanks and 26c@27c in drums; 90% named at 20c@21c per gallon in tanks. Supplies are ample for present requirements and production is steady.

Cresylic Acid—Little change has taken place in the market. Supplies are moving out regularly but in no great volume. Prices are holding at 83c@85c for pale 97-99% material and 75c for dark 95-97%; crude, 85-90%, held at 60c@65c per gallon. Imports at New York last week included 63 drums cresylic acid and 85 drums of coal tar distillate.

Naphthalene—Contract prices are reported slightly higher with makers said to be sold well ahead. Actual trading in the market has not yet begun and makers are busy on contracts. Prices are named at 6½c@7c lb. for flake and 7½c@8c lb. for balls. Chipped is quoted at 5½c@6c lb. Imported crude naphthalene named at 2½c lb. from abroad.

Phenol—Prices are holding at 26c lb. in makers' hands. Buying is mainly for small quantities and supplies are sufficient for this demand. It is doubtful if any large quantities are available for immediate delivery but no large orders are available at present. Resale lots are reported at 25c@25½c lb.

Pyridine—With demand showing a falling off and supplies more plentiful prices have declined. Spot material is offered from \$4.50@\$5.00 according to seller and quantity. Shipments from Europe named at \$4.00@\$4.25 for Dec. shipment. Imports at New York last week were 6 drums.

Toluene—Supplies are moving regularly though in smaller volume. Prices are holding at 23c@24c gallon in tanks and 28c@30c in drums.

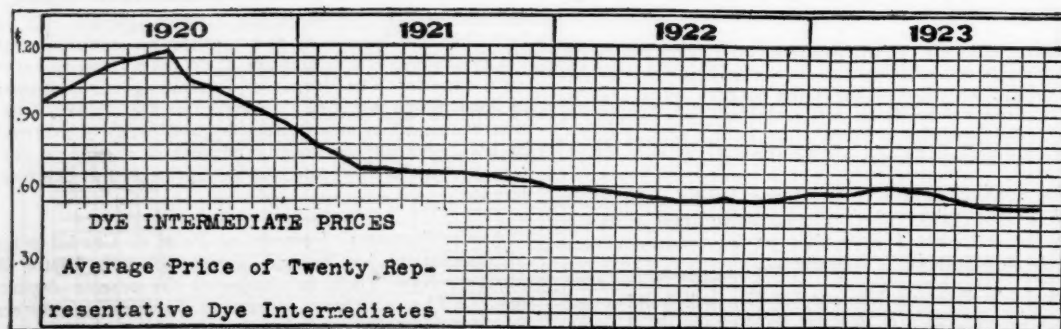
Xylene—Occasional orders are going through with sellers quoting 3° material at 50c@55c and 5° at 40c@45c per gallon; 10° named at 35c@40c gal.

Intermediates

Acid, Cleve's—Steady at \$1.00 lb. on routine demand.

Acid, Gamma—Makers quoting small lots at \$1.70@ \$1.80 lb. Demand is routine and not expected to improve greatly in the near future.

Acid, H—Supplies are moving steadily but makers are having no difficulty in meeting present demand. Prices are holding at 75c@80c lb. according to quantity.



Acid, Neville & Winther's—Unchanged at \$1.10lb. in makers' hands.

Acid, Sulfanilic—Quiet with prices holding at 17c@20clb.

Alpha-naphthylamine—Unchanged with makers quoting 35c@37clb. according to quantity.

Aniline Oil—Activity confined to routine business with prices held at 16c@17clb.

Benzidine—Named at 80c@84clb. according to seller and quantity. Little activity reported.

Beta-naphthol—Makers are firm at the recent advance. Most sales are going through at 26c lb. though occasional sales are reported at 25½clb. for resale material. Carlot business named at 25clb.

Dimethylaniline—Steady at 40clb. in drums in small lots.

Ortho-toluidine—Holding at 13c@15clb. depending upon seller and quantity.

Para-nitraniline—Makers generally quoting 73c@74c lb. though odd lots are named at 70c@71clb. in open market.

Para-toluidine—Unchanged at 85c@90clb. on routine demand.

Exports of coal tar colors, dyes and stains during September were 1,514,228 pounds, valued at \$402,751, of which China took 1,294,031 pounds.

Allowance of drawback on liquid quebracho extract manufactured by the C. A. Spencer & Son Co., of Boston, with the use of imported solid quebracho, is announced by the Customs Division, Treasury Department.

Exports of tanning extracts during September were as follows: Chestnut, 1,005,255 pounds, valued at \$33,587, of which Quebec and Ontario took 894,925 pounds; and other tanning extracts 1,835,214 pounds, valued at \$97,391.

Exports of vegetable dye extracts during September were as follows: Logwood, 105,741 pounds, valued at \$13,366, of which England took 27,095 pounds and Quebec and Ontario 27,431 pounds; and other dye extracts, 187,187 pounds, valued \$22,744.

Pontamine Diazo Blue BR, a new blue color of excellent fastness to light and washing, has been placed on the market by E. I. du Pont de Nemours & Co. It can be used as a direct color or diazotized and developed with beta-naphthol. Lithosol Red C Paste, a new lake color and dyestuff, is also announced.

IMPORTS OF CHEMICAL REAGENTS SMALL

Bacteriological Dyes Valued at \$1,272, Fine Chemicals \$155—Germany the Source

Imports of bacteriological stains, reagents and fine organic chemicals of coal-tar origin, at New York, during August, September and October, as reported by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission were as follows:

The imports of bacteriological stains for the three months totaled 16,870 grams, with an invoice value of \$1,272. The imports of reagents and chemicals totaled 13,176 grams, with an invoice value of \$155.

Of the total quantity of bacteriological stains imported for the three months, 95 per cent came from Germany and 5 per cent from England. Of the total quantity of reagents and chemicals imported for the three months, 100 per cent, the entire quantity, came from Germany. Quantities of 500 pounds and over are given in the following table:

Bacteriological Stains		
Name of Stain	Quantity Pounds	Invoice Value Dollars
Alizarin, dry—c	750	21.85
Alkali green—c	500	25.00
Alum carmine—c	750	8.20
Aniline blue—c	750	17.25
Berlin blue Ia. Soluble—c	500	9.50
Borax carmine—c	500	9.45
Borax methylene blue—c	500	10.00
Brilliant cresyl blue—c	750	14.30
Eosine, water soluble—c	1 01	25.00
Eosine BA—c	750	48.75
Eosine AG—c	750	48.75
Gentian violet—c	67	140.71
Methyl orange—c	500	10.50
Methyl violet 5B—c	500	10.00
Methylene blue—c	1,000	67.50
Pyronine, Fapfenheim	500	12.00
Safranine O, water soluble—c	500	9.20
Tropaeoline OO—c	500	14.50
Trypan blue—c	500	30.00
Reagents and Fine Chemicals		
Dimethylamidoazobenzene, para—c	600	6.13
Nitrophenol, ortho—c	500	1.45
Nitrophenol, para—c	500	1.35
Nitroso-b-naphthol—c	450	3.52
Phosgene solution 20% in toluene—cc.	500	4.00
Tetramethyldiamidobenzophenone—c	700	3.33

Imports of alizarin and alizarin dyes during September were 9,652 pounds, valued at \$10,877; all other colors, 173,978 pounds, valued at \$227,936; and extracts and decoctions for dyeing, 194,072 pounds, valued at \$16,059.

Exports of indigo from India covering the period from November, 1922 to July, 1923, were 579,100 pounds, compared with 627,600 pounds for the period from November, 1921 to July, 1923.

Exports of logwood extract dropped from \$363,043 (2,111,137 pounds) in January-September, 1922, to \$204,411 (1,542,315 pounds) in the corresponding period of 1923.

Production of Dye Extracts in the United States

Statistics of natural dyestuffs and extracts produced in the United States in 1921 published by the Census, show the total value was \$30,265,851 compared with

Products	Pounds, 1921	Value, 1921
Logwood	21,519,552	\$2,400,172
Fustic	4,479,993	489,800
Quercitron	2,193,591	134,059
Oak		
Chestnut	250,263,280	5,927,103
Hemlock	9,394,230	347,039
Sumac	5,030,304	345,811
Quebracho	65,564,005	2,447,081

\$56,905,553 in 1919, and \$21,382,689 in 1914. The following table gives the amount and value of the various products:

Pounds, 1919	Value, 1919	Pounds, 1914	Value, 1914
32,751,757	\$3,292,512	28,989,962	\$1,311,966
3,844,390	355,029	4,509,943	222,804
6,745,979	303,472	3,844,882	112,945
507,905,777	18,663,125	328,197,524	4,130,042
19,705,590	879,366	18,978,013	340,402
4,507,433	253,088	4,512,361	129,631

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1577

CHINAWOOD AND PERILLA OILS HIGHER

Scarcity of Supplies Keeping Market Strong—Linseed Oil Steady at Recent Advance—Olive Oil Foots Higher for Shipment—Corn and Cottonseed Oils Lower—Palm Oil Easier—Fish Oils Firm—Rosins Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Chinawood Oil, 3/4c lb.	Olive Oil Foots, shpmt., 3/4c lb.		
	Perilla Oil, 3/4c lb.		
Coconut Oil, Ceylon, spot, 3/4c lb.		Grease, white, 3/4c lb.	
Corn Oil, crude, 3/4c lb.		Lard Oil, ed., 3/4c lb.	
Cottonseed Oil, crude, 3/4c lb.		Neatsfoot Oil, 20°, 3/4c lb.	
P.S.Y., 3/4c lb.		Palm Oil, Niger, 3/4c lb.	
		Rosins, 10c@25c unit	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.70	\$.70	\$.68	\$.60	\$ 1.26	\$.36 1/2
Degras, American, bbl..lb.	.04 3/4	.04 3/4	.04 1/2	.04 1/2	.25	.03 1/2
Lard, No. 1.....gal.	.79	.79	.79	.79	2.90	.92
Menhaden, crd., bbls..gal.	.50	.50	.47 1/2	.48	1.20	.33
Neatsfoot, 20 deg. c.t..gal.	1.29	1.32	1.24	1.35	3.45	.95
Red Oil, distilled.....lb.	.09 1/2	.09 1/2	.09 1/2	.10	.17	.07
Stearic Acid, T.P.....lb.	.14 1/4	.14 1/4	.14 1/4	.12 1/2	.33	.12
Coconut Ceylon, bbls..lb.	.10	.10	.10	.08 1/2	.90	.14
Cottonseed, crude, tks..lb.	.09 1/4	.09 1/4	.10	.08 1/2	.25	.08
Linseed, carlots.....gal.	.92	.92	.92	.87	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.15	4.50	1.05
Peanut, refined.....lb.	.16	.16	.15 1/2	.12 1/2	.30	.08
Soya Bean, bbls.....lb.	.11	.11	.11	.12 1/2	.19 1/2	.07
Average .....	.0463	.0465	.0455	.0456	1.30	.0362

Business in vegetable, animal and fish oils continues to be restricted to consumers' actual requirements. Buyers are proceeding cautiously, occasionally picking up lots slightly under the market and holding off enough to keep the market from advancing too rapidly. Supplies are not plentiful and any buying movement would probably result in a rapid rise in prices. Last month prices had an upward tendency, but December has already begun to show declines.

Chinawood oil and perilla oil are decidedly stronger owing to the limited offerings from abroad. Most of the spot material has been taken up and the market is expected to remain strong. Linseed oil has been steady though less active since the recent advance. Flaxseed prices have eased off in the Northwest. Olive oil foots are strong with shipments named at higher prices. Italy is understood to be short of olive oil this year and is buying from Spain. Cottonseed oil has quieted down and quotations for crude and refined are

lower though the cotton crop estimates are growing smaller. Corn oil has eased off with lower prices for cash corn. Coconut oil is easier. Palm oil has declined owing to increased importations. White grease and prime lard oil are lower. Fish oils are holding firm at recent prices owing to limited supplies. Animal oils and tallow are steady. Rosins have declined.

Vegetable Oils

Castor Oil—The market is firm at the recent advance. Seed is higher and competition in this market is keen. Prices holding at 14 1/2c/lb. for No. 1 and 14c/lb. for No. 3.

Chinawood Oil—Spot supplies have been well taken up and offerings from the Orient are said to be limited until the new crop arrives. Spot prices for barrels at 21 1/4c@21 3/4c/lb.; tanks at 21c/lb.; Dec.-Jan. shipments from China at 21 3/4c/lb. At Coast 20 1/4c@20 3/4c/lb.

Coconut Oil—Ceylon sales have been made at 8 3/4c@8 7/8c/lb. in tanks on spot; Cochin quoted at 9 1/2c@9 3/4c/lb. Manila in tanks at Coast, 8 3/8c@8 1/4c/lb.

Corn Oil—Crude oil is lower with the decline in cash corn prices. Quoted at 10c/lb. in buyers' tanks at mills. Refined, named at 13c/lb.

Cottonseed Oil—Continues irregular with declines in the near months and advances in the forward months. December opened this week at 10.75@10.85; Jan., 11.25@11.30; July, 11.95@11.99. Winter yellow, 13 1/2c/lb. Crude named at 9 1/4c@9 3/4c/lb.

Linseed Oil—Crushers are asking 92c in carlots for spot and Dec. with quiet buying since the last advance. Less than carlots, 95c. Jan., 91c; Feb.-Apr., 90c. London Linseed Oil, 43s; Antwerp, 382f. Flaxseed prices have declined in the Northwest. Winnipeg, opened this week with Dec., \$2.00 1/4; May, \$2.07 1/4; July \$2.07 1/4. Duluth, Cash, \$2.33 1/4; Dec., \$2.41 1/2; Jan., \$2.43 1/2; May, \$2.41. Buenos Aires, \$1.85.

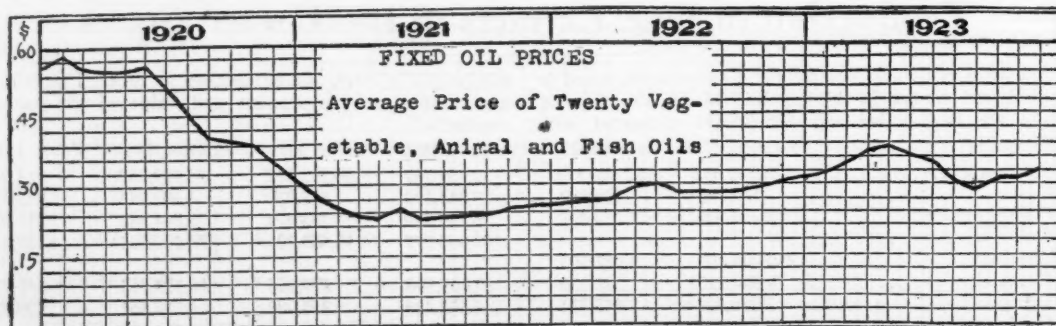
Olive Oil—Foots are quoted higher for shipment at 8 5/8c@8 3/4c/lb. Spot at 8 5/8c@8 3/4c/lb. Denatured steady at \$1.10@1.15; edible \$1.70@2.20.

Palm Oil—Easier with Niger at 7 3/8c@7 3/4c/lb. Lagos, 7 3/4c@8c/lb.

Peanut Oil—Nominal with crude around 10 1/2c@11c/lb. and refined, 16c/lb.

Perilla Oil—Higher on limited offerings at 14 1/2c/lb.

Soya Bean Oil—Crude scarce and firm at 9 3/4c@10c/lb. at Coast in tanks. Spot at 10 1/4c/lb, tanks, and 11c@11 1/2c/lb. in barrels.



Animal Oils

Neatsfoot Oil—Extra is steady at 11c lb.; pure unchanged at 14¾c lb.; 20° lower at 17c lb.

Oleo Oil—Unchanged with No. 1 at 15¼c lb.; No. 2, 11½c lb.; No. 3, 10¾c lb.

Stearic Acid—Fair activity with prices steady at 13c @13¾c lb. for double pressed and 14¼c @14¾c lb. for triple pressed.

Red Oil—Holding at 8¾ @9½c lb. as to quantity for distilled and saponified.

Tallow—Steady at 8c @8½c lb.

Fish Oils

Cod Oil—Sellers holding at 70c @72c per gallon for Newfoundland. Supplies are limited and demand is keeping stocks moving steadily.

Menhaden Oil—With supplies small sellers are holding out for 50c per gallon for crude in buyers' tanks. Fishing is practically over, only occasional catches being taken in. Refined oil steady at 65c @68c for the light strained and 68c @71c for the yellow bleached.

Sperm Oil—Holding at the recent decline with 38° at 94c, New York and 45°, 89c per gallon.

Naval Stores

Turpentine—Prices remained steady during the week and better feeling has been displayed in both domestic and export business. Ex-yard prices New York, 94c gallon for spirits. Steam distilled, 84c gal.

Rosins—Weakened with increased stocks and slow buying. Quoted, B to K, \$5.60 @ \$5.65; M, \$5.70; N, \$6.10 @ \$6.15; WG, \$6.25 @ \$6.75; WW, \$6.50 @ \$7.00.

Swift Fertilizer Works, Inc., Savannah, Ga., will operate the plant of American Fertilizer Co., recently acquired. Extensions and improvements are being made in the various departments, and new machinery and equipment installed in addition to considerable operating equipment moved from the Hutchinson Island plant of the Swift company.

Kadox is the name used to designate a new and special zinc oxide of such extremely fine particles that they can be seen only under the highest powered microscope. Each particle is approximately one two hundred and fifty thousandths of an inch in diameter.

Wilmington Oil & Fertilizer Co., Wilmington, N. C., lately incorporated with \$200,000 capital, has acquired the plant of the American Cottonseed Oil Co., including 15 acres of land.

Lever Bros. Co., soap manufacturers, showed a balance sheet figure of \$13,660,863.42 in their recent report to the Commissioner of Corporations, Massachusetts.

United Color & Pigment Co., Evergreen Avenue, Newark, N. J., has begun work on a one-story building on McClellan St., estimated to cost about \$30,000.

Grip Soap Co., Dunkirk, N. Y., will build a new plant for the production of soaps and washing compounds. T. H. Cope, 40 Broadway, Buffalo, is president.

L. Martin Co., Milnor and Bleigh Sts., Philadelphia, manufacturer of carbon products will build a one-story plant addition, estimated to cost \$22,000.

Wichita Falls Cotton Oil Co., Wichita Falls, Tex., will rebuild the portion of its mill, recently damaged by fire with loss of \$15,000.

Buckeye Cotton Oil Co., Jackson, Miss., plans the installation of additional equipment, estimated to cost about \$30,000.

SHERWIN-WILLIAMS TO MEET IN CHICAGO

At the annual sales convention of Sherwin-Williams Co., to be held this year in Chicago, Dec. 17 to 20 inclusive, at the Congress Hotel, between six and seven hundred delegates from the offices of the company all over the world will get together. The convention will be the 36th such held by the company and will be presided over by George A. Martin, president of the company. The branches of the business to be represented include dyestuffs, intermediates, insecticides, colors, paints, varnishes, and various chemicals. The New York dye, chemical, and color division will send the following: B. M. Van Cleve, L. D. Walker, A. J. Binder, P. J. McMullen, A. H. Mathew, W. M. Fraser, and F. Wills.

HYPOCHLORITE USED IN REFINING OILS

The Mathieson Alkali Works, Inc., New York, in a recent booklet entitled, "Hypochlorite Process and Chemicals for the Petroleum Industry," says: "The Mathieson Alkali Works began business on Aug. 13, 1892, for the manufacture of soda ash, caustic soda, bicarbonate of soda and other alkalis. The works at Saltville, Va., were constructed and production began promptly. In 1895 experimental work on the Castner electrolytic process for alkali manufacture was begun at Saltville. In 1897 the first plant for the utilization of this process on a commercial scale was constructed at Niagara Falls, New York. This plant operated under the name of Castner Electrolytic Alkali Co. until 1917 when it was absorbed by the parent company. This booklet is intended to give to the friends of the Mathieson Alkali Works a clearer conception of the service rendered by the company, and the materials produced.

"The Mathieson Hypochlorite Process has now been available to American refiners for some months. The hypochlorite of lime solution is made at the refiner's plant from liquid chlorine and hydrated lime and replaces sulfuric acid as a refining agent. The solution is much easier to handle from a mechanical standpoint and does not leave the residual sludge of the sulfuric acid treatment, thus eliminating the difficulties that most refiners have in handling this serious problem."

AMERICAN SALESMEN TAKE THE LEAD

Consumption, said Sir Alfred Mond in his address to a conference of the British Industrial League, is so enormously stimulated not only by demand but by salesmanship that if the number of people interested in selling commodities were reduced there might be a great diminution in consumption. The "Chemical Age," London, says: "No organization exists in England for the training of the chemical salesman, beyond the domestic system which this or that firm may adopt, nor for any joint action among chemical salesmen themselves, nor for any occasional or regular conferences on the general problems of chemical salesmanship.

"This constitutes an appreciable gap in chemical organization on the commercial side, and leaves us some degrees behind America and Germany. Before the war the latter was considered the model country in this respect. German representatives, whether dealing with dyestuffs, fine chemicals, heavy chemicals, or chemical plant, were largely in the position of consultants, whose advice and experience were at the disposal of the customer and constituted a valuable form of service. Latterly, perhaps, America has taken Germany's position in this respect. At any rate, with that passion for system and organization which enters into all American business, salesmanship there is treated as an art or a science for which definite training is required."

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1556

IMPORTED TARTARIC ADVANCES ON SPOT

Holdings Refuse Less Than 28clb.—As High as 29½clb.
Quoted—Potash Permanganate Lower—Aloin Firm—
Alcohol Active—Japanese Camphor Lower—Menthol
Easier—Glycerin Steady—Quicksilver Active for
Shipment

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid, Tartaric, Imp., 1c lb.	Podophyllin, Resales, 25c lb.
Declined	
Acetanilid, Resales, ½c lb.	Corn Syrup, 20c 100 lbs.
Camphor, Japanese Slabs, ½c lb.	Menthol, \$1.00 lb.
Potassium Permang., Imp., ½c lb.	

	Trend of the Market				Last Year	War Peak	Pre- War
	Today	Last Week	Last Month	Last Year			
Acetanilid	\$.32	\$.32	\$.32	\$.35	\$2.00	\$.20	
Acid Citric, Import .....	.47	.47	.48	.50	1.25	.45	
Caffeine Alkaloid	4.00	4.00	4.00	3.75	18.00	3.65	
Calomel, American	1.25	1.25	1.25	1.15	3.43	.90	
Camphor, Jap., ref. ....	.86	.86½	.85	.94	3.55	.41	
Iodine, Resublimed	4.55	4.55	4.55	4.40	5.00	3.75	
Menthol	13.00	14.00	14.00	11.00	13.50	3.00	
Potassium Bromide, Cryst. ....	.26	.26	.26	.26	4.30	.80	
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25	
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27	
Strychnine Sulfate .....	.63	.68	.84	.84	2.05	.50	
Average	2.64	2.73	2.74	2.14	5.92	1.56	

Average prices for fine chemicals during November show little change when compared with the month previous, thereby indicating a certain amount of stability in the market. Inventory time is at hand, and dealers are not anxious to show much stock in store. Generally speaking stocks in hands outside of manufacturers' have dwindled to a point where they no longer appear to be a factor. Holders of imported chemicals are tending to base quotations on replacement values only. With few exceptions medicinal chemical group prices are at levels where production costs warrant no further shading. Consumers seem to believe that they can take on stocks with some assurance that the bottom will not drop out of the market within a short time.

Imported tartaric acid has advanced and is now quoted at 28c@29½clb. Heavy imports of potassium permanganate have caused an easier market and now 15½clb. ex-dock is being freely named. All grades of alcohol are active. Japanese camphor slabs have eased off. Menthol was reported sold as low as \$12.50/lb. last week. Quicksilver quoted at \$60.50 flask spot.

Acetanilid—Makers still quote U.S.P. material at 32c @33clb. spot, while resale quarters are lower at 29½c @30clb.

Acid, Acetylsalicylic—Quoted at 75c@85clb. spot by makers, and 72½clb. by second hands. Demand quiet at the moment.

Acid, Citric—Imported quoted at 47c@48clb. spot, and domestic at 49clb. for barrels. Market quiet and supplies ample for all requirements.

Acid, Tartaric—Imported quoted higher at 28c@29½c lb. spot as to holder and quantity owing to cheap lots being removed from market. Last week 500 kegs were imported at New York. Domestic named lower at 31clb.

Alcohol—Demand active and for small lots higher than present quotations are being paid. Contracts for 1924 season will no doubt in near future, be placed as soon as producers know where they stand in regard to raw material. No. 1 specially denatured quoted at 48c@50c gal. in drums, and No. 6 completely denatured at 46c @48c gal. spot in drums.

Aloin—Firm with tendency to higher prices at 90c@95clb. spot.

Amidopyrine—Quiet on spot at \$4.60@\$5.00lb.

Antipyrine—Quoted at \$2.35@\$2.50lb. spot as to seller and quantity. Reports are heard that demand in France exceeds output.

Camphor—Japanese slabs have declined and now quoted at 86c@87clb. spot with shipment named inside at 77½clb. c.i.f. New York. Domestic named at 93clb. in barrels. Last week 100 cases were imported at New York.

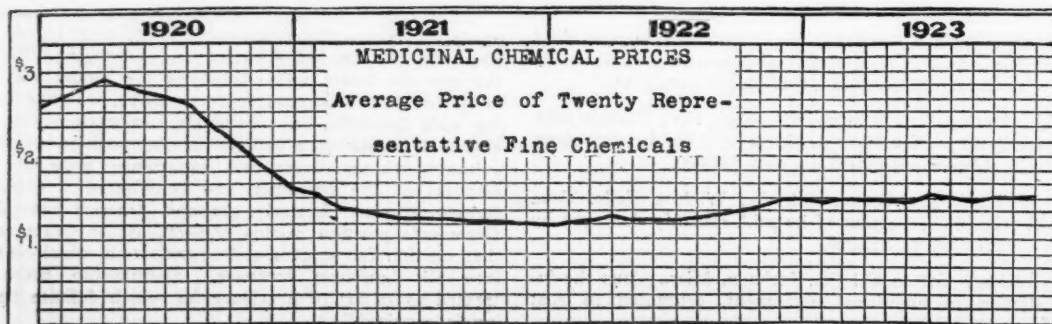
Castor Oil—U.S.P. goods firm at 14clb. spot in barrels.

Cod Liver Oil—Norwegian quoted steady at \$24.00@ \$25.00 bbl. spot with possibility of obtaining limited quantities at \$23.50 bbl. Position firm in spite of easy quotations, which are the direct result of lower exchange rates.

Corn Syrup—Quoted lower at \$3.51 per 100 pounds for 42 degree material.

Cream Tartar—Imported quoted at 23½@24clb. spot, and domestic at 25½clb. Last week 100 kegs were imported at New York.

Formaldehyde—Makers quote 11clb. works for c/l, and 12c@12½clb. for carboys.



Glycerin—C.P. quoted steady at 16½¢@17¢lb. spot and dynamite lower at 15½¢@16¢lb.

Menthol—Quoted sharply lower at \$13.00@\$13.50lb. spot as to seller and quantity. Sales early in week were made at \$12.50lb. Demand quiet with stocks more or less limited. December-January shipment named at \$9.80lb. c.i.f. New York.

Mercury—Spot quoted at \$60.50@\$61.00 flask with replacements named above these figures. Reports are heard that large sales were made late last week for January shipment. London quoting £9 15s to £10 per flask. Italy reports nothing available for shipment until January. The importation of 750 flasks last week was "sold to arrive."

Podophyllin—Firm and active at \$5.50@\$5.75lb. spot from resale quarters, and \$6.00@\$6.25lb. by manufacturers.

Potassium Permanganate—Heavy spot stocks have caused an easier market at 16¢@16½¢lb. with some offerings named at 15½¢lb. ex-dock.

Salol—Quoted at 80¢@85¢lb. spot as to seller and quantity.

Santonin—U.S.P. material firm at \$150.00@\$155.00lb. spot.

Sodium Benzoate—Makers quote 65¢@68¢lb. as to quantity, and second hands lower at 64¢lb.

Tartar Emetic—U.S.P. steady at 34½¢lb. spot.

Zinc Oxide—Quoted at 16¢@17¢lb. for domestic, and 15¢@17¢lb. for imported U.S.P. material.

Charles M. Warner, financier and industrialist, with residence in Syracuse and New York, died Dec. 1, at Syracuse. Mr. Warner, who was in his seventy-eighth year, was stricken with pneumonia six weeks ago. Mr. Warner, who was born on a farm in Van Buren, Onondaga County, and was educated in the public schools, was President of the Warner Sugar Refining Company and of the Warner-Quinlan Asphalt Company, and a director of a number of large corporations.

Emerson Drug Co., Baltimore, has purchased the property at 11 and 13 South Eutaw st., together with the buildings known as 9 South Eutaw and 319 West Redwood st., and will use them for an enlargement of its facilities for the manufacture of Bromo-Seltzer. The Eutaw street buildings are separated by an alley from the Emerson Tower Building, where the company has been located for years.

Carrier Chemical Co., Dunbar, W. Va., a recently organized company capitalized at \$250,000, will build a large chemical plant on a seven-acre site for the manufacture of milk of magnesia from the residual bittern of the salt brines of the Kanawha Valley and the caustic soda produced in the Charleston district. M. T. Davis, Jr. is president of the company.

Containers of face powder, rouge, etc. are not taxable under section 905 of the Revenue Act of 1921 providing the compacts are not ornamented, mounted or fitted with precious metals or imitations, according to a ruling by Deputy Commissioner R. M. Estes, of the sales Tax Division of the Internal Revenue Bureau.

Raymond Hendrickson, pharmaceutical sales manager for Smith, Kline & French Co., Philadelphia, recently broadcasted from station WDAR, a radio talk to druggists.

Nickells-Rowland Co., New York, crude drug house, has issued a November price list giving quotations in original and broken packages.

NEW PLAN FOR FINANCING CITRATE

The first year of the Camera Agrumaria of Messina having proved that the system could not be successfully enforced, the Italian Minister of Finance has authorized the banks of issue to continue financing the plan only on condition that from Dec. 1, 1923, the advances to the producers by the Chamber should not exceed the proceeds of sales, and that at the same time provision should be made for the gradual extinction of its debts to the banks. The Cabinet has just approved a Decree which makes this plan effective, whereby sales of citrate will no longer be made by the Camera for its own account, but for account of the producers, who will, consequently, be directly affected by fluctuations in the market. Instead of advancing the full amount of the price fixed at the time the citrate is delivered, this having been made possible by the financial support received from the banks, payment will be made of only three-quarters of the minimum price fixed at the beginning of each year by the Government. Further payments will depend on the amount of sales and upon the price received. It is hoped by this means to gradually reduce the stocks now on hand, and it is probable that there will also be a tendency to limit production, and to encourage the sale of fresh fruit.

GERMAN CHEMICAL INDUSTRY 50% LARGER

That the German chemical industry has increased the number of workers 57 per cent and in the number of factories 14.46 per cent since 1913, and factories 36 per cent over 1921, is the basis of a report to the Department of Commerce from Berlin. The following figures show the actual number of plants and employees in the chemical field in Germany, according to the report:

Year	Number of Plants	Employees over 16		Other Employees	Totals
		Male	Female		
1913	2,211	145,944	26,749	7,875	180,568
1917	3,014	221,738	183,373	24,891	430,002
1919	3,029	176,730	48,428	10,447	235,605
1920	3,188	207,558	43,408	8,194	259,160
1921	3,310	208,764	41,944	7,812	258,520
1922	3,322	225,015	49,720	8,811	283,546

Iodine that will give the true medicinal effect without the discoloration of the skin, will be the aim of extensive research at the University of Wisconsin, during the coming year, by the American Pharmaceutical Association, according to Dr. H. V. Arny, president of the association.

Synthetic Organic Chemical Manufacturers' Association will hold the annual meeting Dec. 14 at the Hotel Commodore, New York. Formerly the annual meeting was held in March, but at the last meeting the date was changed to December.

Carrier Chemical Co., capitalized for \$150,000 has begun construction of a \$50,000 plant near Dunbar, W. Va. The company will manufacture milk of magnesia. Officers of the company are M. T. Davis, Jr., president; Arch Kreig, secretary.

The United States Civil Service Commission announces an open competitive examination for Laboratory Assistant, Senior Grade, and for Laboratory Assistant, Junior Grade, on Dec. 5, and for Junior Chemist, Dec. 12.

Pennsylvania Witch Hazel Co., Tunkhannock, Pa., has taken over the old witch hazel plant at Wyoming. Improvements will be made consisting of a concrete storehouse and a number of stills.

Dr. George H. Krall, formerly of the Lederle Laboratories, New York, and John Wyeth & Bro., Philadelphia, has become advertising manager of Sharp & Dohme, Baltimore.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1575

JAMAICA GINGER FIRM AND ADVANCING

Cheap Lots Removed From Market—Offerings Restricted—Balsam Tolu Higher—Dandelion Root Scarce—Select Elm Bark Lower—Henbane Leaves Higher—Cascara Sagrada Quiet—Insect Powder Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Balsam, Tolu, 25c lb.	Insect Powder, 2c lb.	Anise Seed, Spanish, 1/4c lb.	Cohosh Root, Black, 1c lb.
Belladonna Leaves, 1/4c lb.	Mastic Gum, 5c lb.	Asafoetida, Powd., 1c lb.	Cotton Root, Bark, 2c lb.
Cardamom Seed, Decort., 10c lb.	Sabadilla Seed, 2c lb.	Blackhaw Bark, Root, 1c lb.	Elm Bark, Select, 1c lb.
Ginger, African, 1/4c lb.	Sassafras Bark, Select, 2c lb.	Buchu Leaves, 3c lb.	Rhubarb, Whole, 1c lb.
Jamaica, 4c lb.	Vanilla Beans, Bourbon, 15c lb.	Celery Seed, 1c lb.	Tragacanth Gum, No. 1, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$50	\$50	\$50	\$50	\$90	\$12
Buchu Leaves, Short. ....	.87	.90	.90	1.05	4.00	.85
Cantharides, Russian	1.25	1.25	1.75	2.40	9.00	2.10
Cocculus Indicus ....	.03 1/4	.03 1/4	.03 1/4	.03 1/4	.85	.03
Ergot, Spanish ....	.38	.38	.38	.60	4.50	.54
Insect Powder, pure ....	.65	.63	.63	.65	1.00	.28
Ipecac, Cartagena, powd.	2.60	2.60	2.10	1.70	4.50	1.35
Nux Vomica ....	.05	.05	.06	.07	.14 1/4	.07
Opium, gum	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D. ....	.36	.37	.38	.45	1.75	.15
Tragacanth, No. 1, ribbon.	1.45	1.45	1.45	1.80	6.00	1.50
Wild Cherry Bk., thin nat. ....	.13	.11	.11	.09	.21	.07
Average	1.36	1.36	1.36	....	5.28	1.00

The average price of crude drugs during November was the highest for the year, confirming reports about scarcity and small gatherings in primary markets. The trade is not expecting December to be a record month, in view of the tendency of consumers of botanicals to keep inventories as low as possible. Sales for delivery after the first of the year, are increasing. Offerings from the Northwest appear to be limited and prices, as a rule, exceptionally firm. Reports from abroad indicate that supplies are none too plentiful, and that the tendency is to higher prices.

Jamaica ginger has advanced owing to reduction of spot stocks and higher cost of replacement. Reports are heard that little dandelion root is being offered for shipment. Cascara sagrada is still firm although the activity has subsided somewhat. Spot holders of insect powder have advanced prices owing to high replacement costs and slight scarcity of powdered goods here.

Agar Agar—No. 1 goods on spot quoted at \$1.65@ \$1.70lb., and No. 3 at \$1.50@ \$1.60lb. Shipment named

at \$1.25lb. c.i.f. New York for No. 1 Yokohama supplies, and \$1.30lb. c.i.f. for Kobe, subject to confirmation. Demand here routine at the moment.

Aletris Root—Quiet at 60c@62clb. spot.

Aloes—Curacao active and firm at 10 1/2c@11clb. spot. Last week 150 cases were entered at New York. Cape easy at 9c@10clb.

Althea Root—Dull at 23c@25clb. spot.

Anise Seed—Spanish lower at 15 1/2c@16clb. spot with possibilities of a turn upward after the first of the year, according to the trade. Star at 12c@12 1/2clb.

Arnica Flowers—Firm at 13c@15clb. spot with shipment named at 10 1/2clb. c.i.f. New York.

Arrowroot—St. Vincent firm at 16 1/2c@17clb. spot.

Balsams—Tolu has advanced and now quoted at \$2.50 @ \$2.75lb. spot. During past week 19 cases were entered at New York. These goods were probably "sold to arrive." Oregon Fir lower at \$2.00@ \$2.15 gal. spot due to weak holders. Country reported firm.

Belladonna Leaves—Quoted higher at 18 1/2c@19clb. spot owing to higher replacement costs.

Blackhaw Bark—Root quoted lower at 40c@41clb. spot.

Buchu Leaves—Named lower at 87c@92clb. spot as to seller and quantity.

Cardamom Seed—Decorticated has advanced again and now quoted at \$1.75@ \$1.85lb. spot, and bleached unchanged at \$1.50@ \$2.00lb.

Cascara Sagrada—Market firm at 27c@30clb. spot for new bark, and 28c@32clb. for old peel. Recent buying flurry quieted down. Several large consignments are enroute to New York.

Celery Seed—Slightly easier at 27c@28clb. spot.

Cloves—Zanzibar higher at 36c@38clb. spot with possibilities of further advances. Last week saw 250 bales entered at New York.

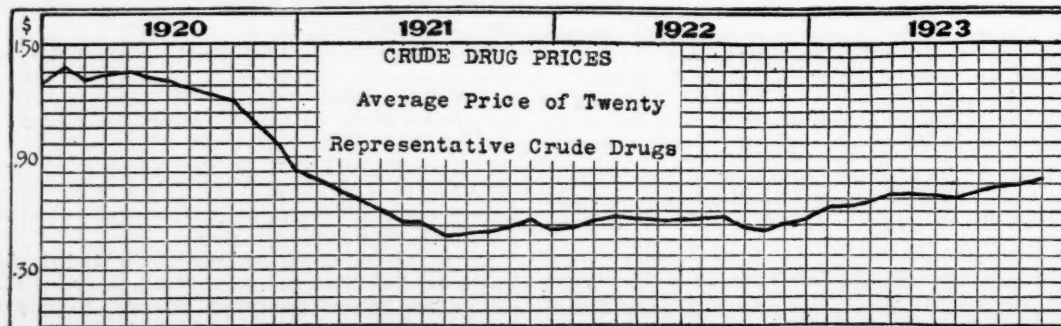
Cohosh Root—Black lower at 14c@15clb. spot, and blue at 16c@17clb.

Dandelion Root—Firm and active at 28c@30clb. spot. Offerings small.

Elm Bark—Select lower at 31c@33clb. spot.

Ginger—Jamaica higher at 36c@42clb. spot as to quality, and African firmer at 16c@16 1/2clb. owing to reduction of spot stocks.

Henbane Leaves—Higher at 38c@40clb. spot.



Insect Powder—Quoted higher at 65c@67c/lb. spot. Stocks none too plentiful, and some dealers can sell only on basis of nearby arrivals. December shipment of flowers named at 46½c@49c/lb. c.i.f. as to seller.

Jalap Root—Firm at 33c@35c/lb. spot.

Opium—Quoted at \$8.00@\$10.00/lb. as to seller. Last week 52 cases were entered at New York.

Rhubarb—Whole lower at 36c@37c/lb. spot, and powdered unchanged at 44c@45c/lb.

Sassafras Bark—Select quoted higher at 30c@32c/lb. spot. Demand active and stocks reported small.

Senega Root—A large inquiry was received from Japan the last of the week. Export demand generally active. Spot quoted firm at 66c@72c/lb. as to seller and quantity.

Spikenard Root—Lower at 27c@29c/lb. spot.

Tragacanth Gum—No. 1 quoted lower at \$1.35@\$1.40/lb. spot, and No. 2 to No. 6 at \$1.00@\$1.35/lb.

Vanilla Beans—Mexican quoted at \$9.00@\$11.00/lb. spot with tendency to scarcity. Cuts named at \$6.00@\$6.25/lb. Another importer has withdrawn offerings for spot Bourbons until new goods come in. Bourbons quoted nominally at \$5.00@\$5.25/lb. South Americans at \$6.00@\$6.25/lb.

The licorice trade is assuming a normal condition, and an average of 10,000 tons monthly will be imported in the near future, says the Camden, N. J., representative of MacAndrews and Forbes Co., of New York, importers of licorice root. Imports at Philadelphia for the first three weeks of November were 46,160 bales, compared with 90,437 bales entered the preceding ten months in addition to about 10,000 bales received in odd lots by irregular steamships making a total of 146,599 bales, against 122,906 bales in 1922, according to the Commissioners of Navigation, Philadelphia.

Isaac L. Lyons, president, I. L. Lyons & Co., New Orleans, died Nov. 14, at his home in that city at the age of 86. Mr. Lyons was a veteran of the Civil War. He started in the wholesale drug business in New Orleans in 1866 under the name of Tucker & Lyons which became Ball & Lyons, and later I. L. Lyons & Co. He was born in 1837 at Columbia, S. C.

That insect powder is more effective against the boll weevil than arsenical insecticides is not true, according to the U. S. Government entomologists, who recently stated in Washington that the uses are entirely different and not comparable. For general boll weevil use, calcium arsenate is said to be the most practicable.

George M. Boardman, formerly president, Patterson, Boardman & Knapp, New York, gum and wax importers, died at his home in Brooklyn, N. Y. on Nov. 27. He was 58 years old. He retired from active service with the firm three years ago.

Calvert Drug Co., Baltimore, co-operative wholesalers, held the annual meeting of stockholders Nov. 28 at the Hotel Emerson. President R. E. L. Williamson stated that the business of the firm had grown \$75,000 during the past year.

Arthur Blaise, buyer, Karl Vogeler Drug Co., Cincinnati, since 1913, resigned and is now with Peter-Neat-Richardson Drug Co., Louisville, in charge of drug buying. Julius Frietsch is now drug buyer for Vogeler.

The Kaga Maru, which arrived at Seattle, Nov. 13, brought 250 cases crude camphor for Hopkins, New York; 500 cases consigned to banks; and 250 cases for Viscoloid Co.

NEW COMMITTEE CHAIRMEN OF N. W. D. A.

G. B. Morley, president of the National Wholesale Druggists' Association, has appointed the following committee chairmen:

Credits and Collections—Charles W. Whittlesey (Charles W. Whittlesey Co.), New Haven, Conn.

Drug Market—S. M. Money Penny (H. J. Baker & Bro.), New York.

Employers' Liability and Workmen's Compensation—Foster Hannaford (Noyes Bros. & Cutler), St. Paul.

Fire Insurance—Carl F. G. Meyer (Meyer Bros. Drug Co.), St. Louis.

Legislation—C. Mahlon Kline (Smith, Kline & French Co.), Philadelphia.

Local Associations—Lee M. Hutchins (Hazelton & Perkins Drug Co.), Grand Rapids, Mich.

Membership—C. J. DeWoody (J. W. Crowds Drug Co.), Dallas, Tex.

Memorials of Deceased Members—H. J. Schnell, New York.

Paints, Oils and Glass—Frank Junkermann (Churchill Drug Co.), Cedar Rapids, Iowa.

Prize Essay—L. J. Bertoli (Fuller-Morrisson Co.), Chicago.

Proprietary Medicines—Henry D. Faxon (Faxon & Gallagher Drug Co.), Kansas City.

Quality of Medicinal Products—J. L. Hopkins (J. L. Hopkins & Co.), New York.

Rates and Routes—Charles E. Matthews (Sharp & Dohme), Chicago.

Salesmen and Selling Methods—George B. Evans (Gibson-Snow Co.), Albany, N. Y.

Trade Marks—William McKinney (Walter Janvier), New York.

Transportation—Ben Exley (Ohio Valley Drug Co.), Wheeling, W. Va.

Special Committee on Prohibition Problems—Chairman, William Jay Schieffelin (Schieffelin & Co.), New York; C. Mahlon Kline (Smith, Kline & French Co.), Philadelphia; James W. Morrisson (Fuller-Morrisson Co.), Chicago; R. S. Kelly (George A. Kelly Co.), Pittsburgh; A. H. Van Gorder (Hall-Van Gorder Co.), Cleveland.

HEAVY INCREASES IN GUM IMPORTS

The large importations of gums, resins and balsams during the nine months of 1923 when a gain of 55% over the corresponding period of 1922 was made, were another indication of the increased consumption. In the first nine months of 1923, the total receipts of gums, resins and balsams aggregated \$13,949,774 against \$8,128,593 in the first three months of 1922; in the second quarter, \$13,374,146 against \$9,377,135; the third quarter, \$8,120,597, against \$6,354,206; and the total for the three quarters, \$35,447,066 against \$22,859,934.

The imports of copal, damar, and kauri gums in the nine months of 1923 dropped 10% from the nine months of 1922 to \$2,986,566 (16,602,758 pounds). In the last quarter receipts to the amount of \$852,533 although in excess of the first quarter were below the second quarter.

The imports of shellac advanced 63% from \$11,496,212 (18,952,824 pounds) in January-September, 1922, to \$18,746,748 (30,491,315 pounds) in January-September, 1923. Receipts in the third quarter of 1923 were the smallest of the year. Nearly double the amounts of gum arabic entered the United States in the first nine months of 1923 than in the corresponding period of 1922, \$1,207,058 (9,558,530 pounds) were received.

Jesse L. Hopkins, of J. L. Hopkins & Co., New York, crude drug house, was recently re-elected treasurer of the New York Board of Trade and Transportation.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 1580, Aromatic Chemicals 1581

OIL CLOVES ADVANCED BY PRODUCERS

Complaints of Unnecessary Delay in Spice Importations—Oil Peppermint Strongly Held in Country—Oils Orange and Lemon Firm—Oil Cassia Lower—West Indian Orange and Wormseed Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Spearmint, U.S.P., 10c lb.	Oil Patchouli, \$1.00 lb.
Oil Sandalwood, E. Ind., 8c lb.	Oil Cassia, Redistilled, 10c lb.
	Oil Wormseed, 50c lb.
Declined	
Oil Peppermint, Nat'l., 10c lb.	Oil Mustard, Artif., 10c lb.
Oil Orange, Sweet W. Ind., 10c lb.	Oil Cloves, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.75	\$2.75	\$2.75	\$3.10	\$7.00	\$5.00
Oil Citronella, Ceylon.....	1.00	1.00	.85	.48	.92	.60
Oil Cloves	2.50	2.40	2.30	2.25	3.70	1.40
Oil Lemon, Italian .....	.75	.75	.70	.70	1.70	2.00
Oil Peppermint, Nat'l.....	3.25	3.15	3.05	2.60	9.00	2.25
Oil Sandalwood, E. I.....	7.10	7.15	7.25	6.75	13.00	5.25
Oil Sassafras, Artif. ....	.38	.38	.38	.42	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.80	4.50	4.50	4.00	31.00	3.10
Methyl Salicylate, Cans....	.47	.47	.47	.52	1.00	.90
Vanillin .....	.50	.50	.40	.45	.95	.20
Average	2.23	2.22	2.19	2.04	6.83	2.05

A week of activity and higher quotations is reported in the essential oil trade. Price shading is more than overbalanced in the current market by the items which have shown a firmer tendency during the week. In spite of the habitual cry of poor business in essential oils, prices last month, with an average of \$3.18 per pound, is the high record for the year. The low of \$2.70 lb. occurred in January. Stocks of a number of important items are unusually low and are being closely held. Reports from the country in regard to domestic oils indicate a decided tendency for holders to "sit" on supplies until dealers pay their prices.

Oil cloves has again advanced on spot owing to scarcity of spice. Late reports from country indicate that holders of peppermint are not inclined to quote on this item. Spot prices have reacted upward with tendency to higher figures. Messina essences are quoted higher for shipment. Redistilled oil cassia is lower. Oil wormseed is quoted at \$6.00lb., if procurable.

Essential Oils

Oil Amber—Rectified quoted at 90c@\$1.00lb. spot.

Oil Anise—Spot U.S.P. supplies still ample for all requirements at 42c@45clb., and technical easy at 40c@42clb.

Oil Bergamot—Coppers quoted at \$2.75@\$2.85lb. spot. The recent firmness in orange and lemon for shipment has not been carried to this item, apparently.

Oil Bois de Rose—Firm and active at \$2.75@\$3.00lb. spot for good quality material.

Oil Caraway—Market held inside at \$8.25lb. spot with some houses asking \$8.50lb. London quotes 38s per pound.

Oil Cardamom—Quoted firm at \$30.00@\$33.00lb. spot as to quantity.

Oil Cassia—Lack of interest and easier shipment prices have resulted in lower market at \$2.25@\$2.35lb. spot for natural, and \$2.75@\$2.85lb. for redistilled.

Oil Citronella—Ceylon quoted at \$1.00@\$1.05lb. spot, for drums, providing holders are desirous of selling same. Cans named at \$1.02@\$1.10lb. Reports were heard that a recent importation was entered at New York that is said to be the best quality oil that was ever imported here. Java named at \$1.10@\$1.15lb. for drums, if obtainable.

Oil Cloves—Has advanced again and now quoted at \$2.50@\$2.60lb. spot for cans owing to scarcity of spice and partly caused by delay of spice passing through the Customs. Bottles at \$2.60@\$2.70lb.

Oil Eucalyptus—Firm and active at 70clb. spot for drums, and 72½c@75clb. for tins. Shipment prices firm with higher tendencies. London reports a recent arrival of 140 cases.

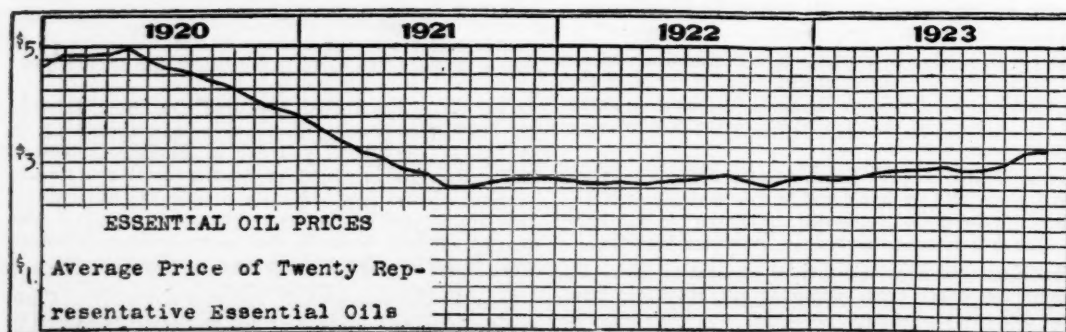
Oil Lemon—Italian quoted firm though unchanged at 75c@90clb. spot as to seller. Stronger for shipment. American at 75c@80clb.

Oil Mustard—Artificial quoted higher at \$3.00@\$3.25 lb. spot owing to higher replacement costs.

Oil Orange—Italian firm at \$3.15@\$3.35lb. spot with higher tendencies. West Indian higher at \$2.35@\$2.45 lb. American at \$3.15@\$3.25 lb. Last week saw 65 cases entered at New York from Kingston.

Oil Patchouli—Lower at \$6.75@\$7.00lb. spot due to easier shipment figures.

Oil Peppermint—Country holding firm resulting in higher prices on spot. Natural named at \$3.25@\$3.35



lb., and redistilled at \$3.45@ \$3.55lb. Buying active with generally increased interest.

Oil Sandalwood—East Indian lower at \$7.10@ \$7.20lb. spot.

Oil Spearmint—Lower at \$2.40@ \$2.50lb. spot.

Oil Wormseed—Quoted higher at \$6.00@ \$6.50lb. spot, if procurable. Country "sitting tight" at the moment, trying to outlast spot dealers.

Aromatic Chemicals

Acetophenone—Quoted steady at \$4.75@ \$5.00lb. spot.

Coumarin—Quoted in active demand at \$4.50@ \$4.65 lb. spot as to quantity, and resale material available at \$4.35lb.

Terpineol—Easy at 50c@ 51c lb. spot for drums, and 52c@ 54c lb. for cans.

Vanillin—Quoted firm by makers at 50c@ 51½c oz. spot as to quantity.

Canadian buyers are inclined to hold off making purchases of essential oils until after the first of the year when the new sales tax of six per cent goes into effect, payable on the final sale to consumers, according to first hand reports. At present the tax is divided into an import sales tax of 3¼ per cent, which is payable at time goods are bought and a sales tax of 2¼ per cent payable when the product is sold in Canada. While no sales have been made recently for immediate shipment, several round lots have been sold for future delivery.

There is much feeling among Senators over the recent Senatorial election in Corsica, which has just resulted in the seating of Francois Coty, wealthy manufacturer of perfume, who defeated Adolphe Landry by fewer than twenty votes, says the "New York Times." It is intimated that both candidates sought the aid of Romanetti, a Corsican bandit, and that while he was at a hotel in Ajaccio, capital of Corsica, the police surrounded the hotel, but Romanetti escaped. Coty is said to have been at the same hotel at the time.

Oil citronella is quieter and bois de rose is dearer with supplies tending to scarcity, according to "Chemist and Druggist," London, which says: Clove, in sympathy with the fruit, is much dearer, distillers being reluctant to enter in contracts over next year. Eucalyptus is in good demand and dearer. American peppermint is higher owing to fluctuation in the rate of exchange, and Japanese mint is in good demand from the Continent.

The Chicago Perfumery, Soap and Extract Association will have moving pictures at the annual meeting, Dec. 12, showing the manufacture of glass bottles, cartons and corks. The pictures are to be supplied by the Illinois Glass Co.

Dr. Carleton Simon, deputy police commissioner, New York City, and narcotic expert, addressed the meeting of the New York Board of Trade and Transportation, Drug and Chemical Section, on Wednesday, Dec. 5.

Fleischmann Co. has declared an extra dividend of 25 cents a share on the common stock, payable Jan. 1, 1924, to stockholders of record Dec. 15. This dividend is in addition to the quarterly dividend of \$2 a share.

Willis H. Lowe, formerly of Willis H. Lowe Co., American Toilet Goods Co., and the Kala Co., died in Boston at the age of fifty-six. Mr. Lowe had been seriously ill for several months.

GERMAN AROMATIC CHEMICALS HIGHER

Cost of production of chemicals in Germany especially aromatic and fine chemicals should keep pace with the general rise in the cost of living, but there is a noticeable inclination on the part of many industrialists to discount the future in its darkest aspects with the result that very high prices are being quoted, according to "Chemiker-Zeitung," which says:

"This is the case with chemicals, particularly pharmaceutical products and aromatic chemicals; the consequence of this ultra-cautious policy has been to reduce their consumption in Germany to a minimum, and what is being actually sold in the home market has nothing to do with bona-fide requirements. But we are also doing ourselves harm abroad, for there is little inclination in foreign countries to pay any price we choose to ask, and foreign buyers are finding other ways whereby they can satisfy their requirements at more reasonable figures. In addition, there have been incidents of a questionable character, which have very greatly contributed to shake confidence in us. True, foreign buyers continue to evince interest in heavy chemicals, but German manufacturers hedge their offers with so many reservations, that prospective buyers avoid entering into any heavy commitments. So long as the manufacturers continue to advance their prices, with the effect of rendering it impossible for exporters to compete in foreign markets, this unequal state of affairs can only result in paralysing all business, and of this we are already having a strong foretaste."

VIVAUDOU MAY DECLARE STOCK DIVIDEND

V. Vivaudou, Inc., New York, has not decided whether to give up the Mineralava agency and make a preparation of its own, or extend it for another year. The gross business contributed by this agency for this year is estimated at \$700,000. The total earnings of the company are expected to approximate \$900,000, which will be equivalent to \$3 per share on the 300,000 shares of no par stock outstanding. The company has no funded debt nor any preferred stock. The directors are contemplating paying the \$2 annual dividend in preferred stock, rather than in cash in order to raise additional working capital. Whether or not this plan will go into effect, will probably be announced in a few days.

ALLIED INDUSTRIES TO HOLD ELECTION

Perfumery, Soap, and Allied Industries of New York will hold the December meeting at Thum Bowling Academy, New York, Dec. 6 at 6:30 P. M. Following dinner at Thum's, the annual election of officers will be held. The evening will be spent in bowling, teams to be selected from different groups such as the glass bottle men, the box men, essential oil trade, the perfumers, and others, to compete against each other. Karl Voss, secretary, is handling arrangements.

Market is active and the week shows wide trade needs for many grades and a considerable total of transactions despite the holiday, according to John Clarke & Co., New York, spice brokers. Trading has broadened and the market shows substantial strength in values of most articles and a gradual tendency toward higher prices.

The Arkansas legislature is considering House Bill 64, which levies a five per cent sales tax on any article or preparation to be used or applied for toilet purposes.

A pamphlet on the "Elements of Industrial Heating" has been published by W. S. Rockwell Co., New York.

The Foreign Markets

Imports of Drugs and Chemicals, page 1583

BROMIDES HIGHER IN LONDON

Vanilla Prices Up at Drug Auctions—Quotations Advanced on Acetanilid, Sodium Cacodylate and Phenacetin—American Peppermint Oil Firmer—Carbonate of Potash Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Dec. 5.—Trading lacks activity, but all bromides are advancing. Prices at the Drug Auctions were higher for vanilla. Quotations in the open market are higher for acetanilid, sodium cacodylate and phenacetin.

Prices are firmer for American oil peppermint and acetic acid. The market is easier for Japanese mint oil and carbonate of potash.

London, Nov. 24 (By Mail).—The default of the German Government under the Reparation Levy in not meeting the 26 per cent duty on imports into the United Kingdom, and which came into effect on Nov. 17, has advanced prices of pharmaceutical products. For some time this market has been slowly recovering from the depression brought about by the heavier exports from the Continent and the irregular rates of exchange, and it is probable that this upward movement will continue. It is too early to forecast the result of the Government's attempt to introduce Protection but the outcome, which will be known by Dec. 7, will be very closely watched both here and abroad with a view to promptly profiting by any favorable fiscal changes in that direction.

Heavy chemicals are also considerably firmer and tending upwards and signs are not wanting that higher prices may be expected at an early date. The seasonal demand for spices is causing several leaders to advance in value, cardamoms, nutmegs, cinnamon and Zanzibar cloves being the most prominent. Some demand has cropped up from the Continent for condurango. Linseed and castor oils have advanced and there is a decidedly better feeling for lemon and orange essential oils. Phenazone, guaiacol carbonate, phenacetin and morphine are in demand at advancing rates. Slight recessions in price are noticeable in Jamaica sarsaparilla, star aniseed oil, agar agar and menthol. Carbolic acid crystals are again lower. Other prices are: phenazone 8s 9d per lb.; phenacetin 7s 6d per lb.; guaiacol carbonate 12s 9d per lb.; bromides, potassium 7 $\frac{3}{4}$ d, ammonium 8d, sodium 8d per lb.; salicylic acid B.P. 2s 4d per lb.; salol 4s 3d per lb.; sodium benzoate 2s 9d per lb.

One of the oldest and best known of the Hongkong industries is the manufacture of vermilion, which is used by the Chinese for making varnishes, for coloring candles and paper, and for stamping and writing purposes. The annual output in Hongkong is estimated to be about 20,000 cases of 50 catties each (662.3 pounds), the total value being approximately 1,800,000 Hongkong dollars. Of the total output of 20,000 cases, about 10 per cent is for local use in Hongkong, 10 per cent for exportation to the United States and Europe, and 80 per cent for exportation to Canton, Fatshan, and the neighboring districts. The present market price for vermilion in Hongkong is 90 Hongkong dollars (1 Hongkong dollar=approximately \$0.52) per case, or 180 dollars per picul (1 picul=133.1-3 pounds), ex godown.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4.886	\$4.33
France (franc)	.193	.054
Italy (lira)	.193	.043
Germany (mark) per hundred	23.89	.029
Czechoslovakia (crown) per hundred	23.30	.00003
Poland (marks) per hundred	23.80	.00003
Japan (yen)	.499	.479
Holland (guilder)	.402	.379
Spain (peseta)	.193	.130
Belgium (franc)	.193	.046
Switzerland (franc)	.193	.175
Sweden (crown)	.268	.263
Denmark (crown)	.268	.180
Argentina (peso)	.424	.315
Brazil (milreis)	.324	.089
China (Silver dollar—Hongkong)	.789	.512
(Tael—Shanghai, silver)	1.082	.730
(Tael—Peking, silver)	1.156	.767

The production of cloves in Madagascar for the 1923-24 season (October to February) is estimated at 938 metric tons, Consul James G. Carter, Tananarivo, informs the Department of Commerce. This is considerably higher than an earlier estimate of 750 tons, but is owing to the condition of the crop. This is above the average production and can be credited largely to the extension of clove planting on the mainland of Madagascar, in the Provinces of Tamatave and Maroantsetra. Previous to 1919, the entire production of cloves was produced on the Island of Ste. Marie, with the exception of a few tons grown at the Botanical station at Tamatave and on small plantations near there. It is now estimated that about 10,000 hectares (24,710 acres) are devoted to the growing of cloves in Madagascar and dependencies, including Ste. Marie. Most of this land is on the island of Madagascar proper.

Spot position of fine chemicals has again hardened in many directions, according to "Chemist and Druggist," London, which says: "Many importers representing the largest of the German markets appear to hold the firm opinion that spot values for their goods must move up to much higher levels, and have accordingly made moves in that direction already. What may make the position more acute on spot is the fact that supplies held here of many items are by no means large. While one cannot hope for any reductions in spot values, the conditions in Germany (which undoubtedly controls this market to a large extent) point to higher prices and limited supplies. More inquiry has been evident this week, buyers anticipating their requirements in view of the altered conditions."

The present time is not appropriate for investigations into new pharmaceutical products and processes owing to the extremely sensitive situation resulting from the Ruhr occupation and the general economic and political uncertainty, according to Commercial Attache Charles E. Herring, Berlin. The coal-tar branch of the chemical industry, concentrated largely in the occupied areas, professes little interest in inquiries from abroad, both because it is short of raw materials for manufacture and because it has been unable to sell abroad even if materials were at hand.

Imports of narcotics into Canada during October included cocaine to the amount of 187 ozs., compared with 104 ozs. in September and 157 ozs. in October, 1922. Morphine was imported to the amount of 275 ozs., crude opium 210 lbs., and powdered opium 25 $\frac{1}{2}$ lbs.

Foreign Trade Notes

Exports of British dyestuffs for the first ten months of 1923 have reached 154,567 cwts, compared with 80,506 cwts. for the same period in 1922.

Hon. G. Howard Ferguson, Premier of Ontario, announces that the province will establish a Bureau of Scientific Research in connection with the University of Toronto. Its work in addition to medical research will be largely devoted to studies of the problems bearing upon industrial development.

Reports on Spanish saffron are conflicting in regard to yield of new crop, according to "Chemist and Druggist." From some districts a poor crop is predicted, but from other directions, although it is stated the area planted is restricted, the reports are better. While importers expect some relief in regard to the high prices that have been current, no complete estimate is likely to be available until January or February.

Indigo arrivals in Shanghai during one week, recently, were 8,000 piculs from America, 3,000 from Switzerland, and small amounts from France and England, according to the Chemical Division, Bureau of Foreign and Domestic Commerce. Ehlers & Co., a German firm in Shanghai, have made a contract with a syndicate composed of eight Chinese concerns for the sale of 160,000 piculs of indigo per year.

Indigo sown in the Madras Presidency up to the end of August is estimated at 64,700 acres, compared to 102,600 acres for like period in 1922, according to Charles C. Concannon, chief of the Chemical Division, Bureau of Foreign and Domestic Commerce. The decrease is fairly general and is said to be due to the gradual return to synthetic dyes, which may now be obtained in quantity.

Spanish cork manufacturers have petitioned the Government to forbid the exportation of raw cork and cork waste, according to a cablegram from Madrid to the "Philadelphia Ledger." The Spanish manufacturers complain that American competition has ruined the business in Spain. The proposed restriction on exports would be a serious blow to American stopper manufacturers as 80 per cent of the world's cork comes from Spain.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country	Purchase or Agency
Anhydrous ammonia, chloride of calcium.....	8244	Banjoewangi, Java.....	Purchase
Chemicals, heavy.....	8255	Johannesburg, S. Africa.....	Agency
Chemicals and acids.....	8301	Batavia, Java.....	Purchase
Dyes.....	8275	St. John's, Newfoundland.....	Agency
Dyes, carbon black.....	8228	Poona City, India.....	Purchase
Flavoring extracts.....	8275	St. John's, Newfoundland.....	Agency
Ghee, glycerin.....	8228	Poona City, India.....	Purchase
Inks, printing.....	8228	Poona City, India.....	Purchase
Paints and varnishes.....	8311	Calcutta, India.....	Agency
Patents for manufacture of chemical goods.....	8316	Newcastle, Australia.....	Purchase
Rosin.....	8283	Singapore, St. Settlements.....	Agency
Rosin, caustic soda.....	8308	The Hague, Netherlands.....	Agency
Rosin for paper mills.....	8249	Milan, Italy.....	Purchase
Sulfate of ammonia.....	8283	Singapore, St. Settlements.....	Agency
Sulfur for paper mills.....	8257	Stockholm, Sweden.....	Purchase
Turpentine, pure.....	8256	Johannesburg, S. Africa.....	Agency
Drugs.....	8293	Rio de Janeiro, Brazil.....	Agency
Medicines.....	8301	Batavia, Java.....	Purchase
Pharmaceutical specialties.....	8250	Stockholm, Sweden.....	Purchase

SWISS BUY SOAP MATERIALS ABROAD

Soaps and washing powders of all kinds find a ready market in Switzerland. There are 40 soap factories in Switzerland, but it is necessary to import about Frs. 9,000,000 worth of soap per annum. Switzerland exports one-third the value of the imported soap, according to Consul C. M. Hitch, of Basle.

Soap for industrial purposes is used largely in dyeing plants, of which there are four near Basel, and their annual consumption is several hundred tons. Heretofore the greater portion has been supplied by local soap manufacturers, but during the year 63 metric tons were imported. Of this quantity 48 tons came from Germany, 10 tons from the United States, and the other 5 tons were divided between France and England.

The Swiss soap factories must rely largely upon foreign countries for their raw materials. The principal ingredients imported are vegetable and animal fats, coconut oil, caustic soda, and caustic potash. During the past year 5,604 metric tons of caustic soda and caustic potash were imported into Switzerland, mostly from Germany and Czechoslovakia. The United States supplied 2,227 metric tons; chiefly caustic soda.

Vegetable and animal fats are supplied by France, Germany, Italy, West Africa, the Netherlands, British India, and Belgium. The United States supplied only 10 tons of vegetable fats during the past year.

More activity in the nitrate market in Chile is reported by Commercial Attache R. H. Ackerman in a cablegram to the Department of Commerce. Shipments from Jan. 1 to Nov. 15 amount to 1,831,000 metric tons, compared with 900,000 metric tons during the same period last year. The sales quota for January, as allotted by the Nitrate Association to the member companies, has been almost entirely sold. Production of nitrate during the first ten months is almost double that during the corresponding period of last year. At the end of October 79 plants were operating with a combined production for the month of 785,000 metric quintals.

Japan is rapidly becoming a manufacturing country, rather than a region of production and export of raw material. This trend was greatly accentuated by the world war. In 1918 the Monopoly Bureau allotted 9,600,000 pounds of crude camphor for home manufacture, allocating 7,900,000 to the two Japanese refining companies that control the industry, and 1,700,000 pounds to the celluloid manufacturers. The United States and Germany are Japan's best markets in normal times, followed by Great Britain and France. British India also imports considerable Japanese camphor, the bulk of which it re-exports.

The entire production of the variety of Persian quince seeds utilized in drugs is centered in the Caspian Province of Mazanderan. This species is reddish brown in color, quite inedible because of its dryness and acidity, and grows wild in the Mazanderan jungles. Prior to the war the United States did not import Persian quince seeds, about three-quarters of the production being consumed by Russia and the remainder by Germany. About two years ago, however, the United States came into the Persian market for this product and during the 1922 calendar year imported 21,520 pounds, valued at \$14,640.

The English edition of "The Yakugyo Shuho" (The Weekly Druggist), Tokyo has been suspended owing to the recent earthquake. The Japanese edition which is devoted to trade in chemicals, drugs and dyestuffs, will be published as usual, at 12 Hommuracho, Azabu, Tokyo.

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Leather Chemicals

SODIUM PRUSSATE STEADIES AT 11½cLB.

Some Good Contracts Placed While Prices Were Low
—Bichromates Moving Regularly—Tanning Materials
Arriving Steadily—Cod and Menhaden Oils in Small
Supply—Sodium Sulfide Plentiful—Corn Syrup Lower

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17	\$17.00	\$1.50
Acid, Formic, 90% .....	.12½	.12½	.12	.18	1.50	.07
Acid, Lactic, 22% dark .....	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate .....	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech.	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate, Imp. ....	.11½	.11½	.13	.20½	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.48	.04½
Sodium Hyposulfite	2.78	2.78	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.04½	.10½	.02½
Average .....	.980	.980	.982	.998	3.267	.528

While contracts have been placed for delivery over next year the volume of business has not been large for future delivery. The remaining few weeks are not expected to show any increase in prompt deliveries since many consumers are on the verge of curtailing operations and others are running on restricted stocks in order to keep down inventories at the end of the year. Supplies of most chemicals are plentiful and prices are holding at low levels with few changes. Sodium prussiate has steadied after the recent sharp decline when prices touched 10c/lb. for imported material. Prices have recovered somewhat and are now holding at 11½c to 12c a pound for imported material and 12½c for domestic. Bichromates are moving regularly in restricted volume while competition for business is keen. Imports of tanning materials have been arriving steadily. Fish oils are somewhat limited in supply. Sodium sulfide is moving better but supplies are large. Corn syrup has been reduced.

Acid, Lactic—Prices show no change from previous quotations. Demand continues along steady lines with domestic producers meeting all requirements. Quoted at 4½c@5c for 22 per cent, dark, and 5½c@6c/lb. for light; 44 per cent dark, 9½c@10c/lb.; light, 11½c@12c/lb.; 66 per cent, dark, 14½c@15c/lb.; light, 25c@30c/lb.

Acid, Sulfuric—Contract withdrawals continue along steady lines while spot business is reported good. Contracts for next year have been satisfactory. Prices are holding at \$15.00@16.00 per ton for 66° in tanks at works. Drums at \$1.10@1.25 and carboys, \$1.25@1.50; 60° acid at \$9.00@10.00 in tanks. Oleum is quoted at \$17.00@19.00 ton for 20 per cent in tanks at works. Drums at \$1.25@1.50.

Arsenic—Red sulfide quoted at 15c@15½c/lb. on routine demand.

Extracts—Seasonal slowness in demand is retarding consumption of extracts and prices in some instances are easier. Imports of tanning materials continue steadily, 11,257 bags of quebracho, 2,500 bags divi divi, 635 bags myrobalans and 4,583 bags valonia arriving at New York last week. Sumac is reported poor in quality this year. Chestnut named at 2c@2½c/lb.; cutch, 4½c@5c/lb.; fustic, 10c@14c/lb.; gambier, 8½c@9½c/lb.; hematine, 11½c@13½c/lb.; logwood, 7½c@12c/lb.; myrobalans, 4c@5c/lb.; quebracho, 3c@3½c/lb.; spruce, 1c@2c/lb.; sumac, 7c@9c/lb.

Formaldehyde—Supplies are plentiful and prices are

at low levels. Business is confined mainly to small quantities at 11c@11½c/lb.

Epsom Salt—Domestic makers are quoting technical at \$1.80@2.00 according to quantity. Imported material held at \$1.00@1.10. U.S.P. quality named at \$2.15@2.50 as to quantity.

Oils—Fish oils are firm with Newfoundland cod at 70c@72c in barrels. Supplies are not large and imports are small. Menhaden crude is in limited supply and held at 50c per gallon. Light strained at 65c@68c gal.; yellow bleached, 68c@71c gal. Neatsfoot oil at 11c/lb. Castor oil holding at 14c@14½c/lb. Olive oil is firm. Linseed oil at 92c@95c gal.

Potassium Bichromate—Prices have been holding steady at recent levels. Demand has not been especially active but makers report more satisfactory buying with a fair volume of contract business over 1924. Quoted at 9½c@9¾c/lb.

Potassium Titanium Oxalate—Quoted at a range from 26c@30c/lb. as to seller.

Soda Ash—Contract withdrawals have been along steady lines while most of the business for next year has been practically covered. Prices are named at \$1.38 for 58 per cent in bags at works on contract. Barrels at \$1.63. Dealers quote less-than-carlots at \$2.04, in bags delivered, for five and up, and \$2.29 in barrels.

Sodium Prussiate—The market has steadied with prices of imported material held at 11½c@12c/lb. Domestic supplies are quoted at 12½c@13½c/lb.

Sodium Sulfide—Buying is reported improved but supplies are plentiful and prices are easy in some directions. Solid quoted from 3c@3¼c/lb. and broken at 4½c@5¼c/lb. at works. Crystals quoted from 2c@2¾c/lb. according to seller.

Are you interested in selling leather to Japan? asks the Department of Commerce. Do you know that in 1922 Japan imported 1,505,065 square feet of calf and kip and 460,361 square feet of goat and kid upper leathers (not patent), and that in the same period this country sold to Japan 358,493 square feet of patent leathers, as well as 2,263,585 pounds of sole leather and 41,892 square feet of upholstery leather? This is a market you should not overlook because it seems small. We believe that with proper cultivation the demand for American leather may be expanded to a reasonable extent in the near future. Further information can be obtained by writing to the Hide and Leather Division, Department of Commerce.

OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see Pages 1534, 1535, and 1538. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on Pages 1556, 1573, 1574, and 1576. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on Page 1556.

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Paper Chemicals

FURTHER DECLINE IN LIQUID CHLORINE

Contract Prices for Tanks Named at 3clb.—Casein Continues at Recent Levels—Less Cutting in Bleaching Powder at \$1.25—Rosins Decline Due to Limited Demand and Increased Stocks—Contract Withdrawals Fair.

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Blanc Fixe	75.00	75.00	75.00	80.00	95.00	45.00
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Casein .....	.11½	.11½	.13½	.15	.28	.20
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine Cyl. ....	.06¼	.05¼	.05¼	.05¼	.30	.08
Salt Cake	21.00	21.00	21.00	25.00	80.00	11.00
Satin White .....	.01¼	.01¼	.01¼	.02	.05	.03
Sodium Silicate, 40% ..	.80	.80	.80	.95	1.75	2.00
Rosin, F grade	5.60	5.80	5.80	6.40	4.05	20.25
Average	11.23	11.43	11.45	14.10	20.14	6.95

A further reduction in the price of liquid chlorine has been the most important event in paper chemicals during the week. Liquid chlorine in tank cars on contract over 1924 is now offered at 3clb., a decline of ¼clb. from the previous quotation. Bleaching powder remains at recent low quotations and appears to have settled at \$1.25. At this level there is evidently less price shading and business appears to be improving with prices stationary. Casein is holding at the recent prices. Importations have been increasing and competition between importers and domestic makers is sharp. Rosins have declined after a period during which prices remained steady. Lack of demand and increased supplies are said to be the reasons for the decline. China clay is moving regularly on contract. Paper and pulp mills are operating below normal and most of the business is confined to contract deliveries.

Acid, Sulfuric—Contract withdrawals continue along steady lines while spot business is reported good. Contracts for next year have been satisfactory. Prices are holding at \$15.00@\$16.00 per ton for 66° in tanks at works. Drums at \$1.10@\$1.25 and carboys, \$1.25@\$1.50; 60° acid at \$9.00@\$10.00 in tanks. Oleum is quoted at \$17.00@\$19.00 ton for 20 per cent in tanks at works. Drums at \$1.25@\$1.50.

Aluminum Sulfate—New business appears to be improving slowly while contract deliveries are proceeding regularly. Quotations are steady at \$2.40@\$2.50 for the iron-free and \$1.35@\$1.40 for the commercial.

Blanc Fixe—Makers continue to quote dry at \$75.00@\$80.00 ton at works and pulp at \$50.00@\$55.00 ton. Imported dry at \$70.00@\$72.00 ton.

Bleaching Powder—Prices appear to have settled at \$1.25 at which figure prompt and contract business over next year are being placed. Price shading is less in evidence and buying is reported improved. Chlorine has been reduced again for tanks on contract. The new price is 3clb. Ton cylinders named at 5½c@6clb. and small cylinders at 6c@8clb.

Casein—The market is holding at recent levels with imported named at 8clb. c.i.f. and carlot business at 10½clb. Small lots up to 12clb. Imports at New York last week were 1,898 bags mainly from Argentina.

China Clay—Prices are holding at \$6.00@\$8.00 for the crude; washed and ground named at \$7.50@\$12.00 ton. Imported filler clay quoted at \$13.00@\$16.00 ton and coating clay, \$25.00 ton.

Chlorine—A further reduction was announced last week for contract business in tanks over 1924. The new price is 3clb., a decline of ¼clb. Ton cylinders are unchanged at 5½c@6clb. and small cylinders from 6c@8clb.

Salt Cake—Prices are holding at recent levels with quotations from \$21.00@\$24.00 ton according to seller and quantity. Supplies are adequate for present consumption.

Satin White—Named at \$1.45@\$1.50 per 100lbs.

Sodium Bisulfite—Unchanged with makers quoting dry powder at 4½clb. and the solution at \$1.25@\$1.75 as to strength.

Sodium Silicate—Makers quoting 40 degree material at 75c in tanks and 80c in carlots of drums. Sixty degree at \$1.75 and \$1.90 in tanks and drums.

Soda Ash—Contract withdrawals have been along steady lines while most of the business for next year has been practically covered. Prices are named at \$1.38 for 58 per cent in bags at works on contract. Barrels at \$1.63. Dealers quote less-than-carlots at \$2.04, in bags delivered, for five and up, and \$2.29 in barrels.

Rosins—Slow demand and increased supplies caused prices to drop during the week. Quotations, B to K, \$5.60@\$5.65; M, \$5.70; N, \$6.10@\$6.15; WG, \$6.50; WW, \$6.75.

American paper manufacturers are to protest against the dumping of foreign paper, three times the amount shipped in 1917 having been imported during the first nine months of 1923, amounting in value to \$85,000,000. Members of the American Paper and Pulp Association met in New York on Nov. 15, and made plans to present the facts to the Treasury Department. It was stated that this paper is offered in the United States at prices lower than it is sold in countries where it is produced, which is a violation of the anti-dumping clause of the Fordney Tariff Act.

Basic business conditions are good and the paper industry should expect to receive its normal share of the business activity, according to "The Paper and Pulp Industry," the bulletin of the American Paper and Pulp Association. The bulletin reports "general improvement in the volume of business since the middle of October."

McGillan-Asmuth Paper Mills, Menasha, Wis., manufacturers of tissue and glassine paper, are planning additions and improvements that will double the present production.

OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see Pages 1534, 1535, and 1536. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on Pages 1556 and 1564. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on Page 1556.

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Special Fractions of
Coal Tar Light Oils

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Rubber Chemicals

CARBON BLACK EASIER ON SPOT

Spot Goods Obtainable at 11c/lb.—Export Demand Light—Hexamethylene Active—Benzene Easy—Lithopone Steady—White Barytes Active

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$.39	\$.39	\$.36	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.11	.12	.14	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span.....	.03½	.03½	.04	.04	.04½	.03
Lithopone .....	.07	.07	.07	.06	.08	.04
Sulfur	3.05	3.05	3.00	2.50	6.50	2.75
Whiting, Dom.....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.....	.08½	.08½	.08½	.07	.09½	.09
Average	3.462	3.463	3.457	3.820	5.931	..

The failure of a number of small producers of rubber goods has had a favorable effect on the stronger companies. With the smaller concerns out of competition, over-production appears to be a thing of the past. The recent price war between several companies has resulted in reduced stocks, and with the continued good demand for the finished article, rubber chemicals ought to be in active demand at the turn of the year. The industry, as a whole, is in better condition than at any time during the past six months, according to advices in the trades.

Carbon black is easier owing to small demand both for domestic consumption and for export. One maker of hexamethylene says that he has been sold up for the last few weeks and that he has nothing to offer at the moment. Benzene is easy with possibility of shading these figures.

Acid, Acetic—Buying is somewhat routine in nature with prices holding steady. Makers are quoting 28 per cent, \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Aniline Oil—Quoted at 16c@17c/lb. works, and 17c@18c/lb. for spot supplies.

Antimony Sulfide—Golden quoted at 19c@24c/lb. as to quality and crimson at 39c@50c/lb.

Benzene—Dealers report an easy market at 20c@21c gal. works in tanks, and 25c@27c gal. in drums for 90

per cent material. Pure quoted at 21c@24c gal. in tanks, and 26c@29c gal. in drums.

Carbon Bisulfide—Quiet at 6c@7½c/lb. spot as to quantity.

Carbon Black—Quoted easier at 11c@14c/lb. 1c/l spot for cases, and contracts at 9c@11c/lb. at point of production. Export demand quiet.

Diphenylguanidine—Steady at \$1.10@\$1.15/lb. spot as to quantity.

Hexamethylene—Demand active at 82½c@85c/lb. spot as to quantity. Stocks somewhat reduced with tendency to curtail soliciting business for the moment at least until production can be increased.

Lithopone—Steady at 7c@7½c/lb. spot.

Mineral Rubber—Quiet at \$35@\$50 ton for 300/315 quality material.

Sulfur—Named at \$3.05@\$3.30 cwt.; superfine at \$2.50@\$2.90; and chloride at 6c@7c/lb. spot.

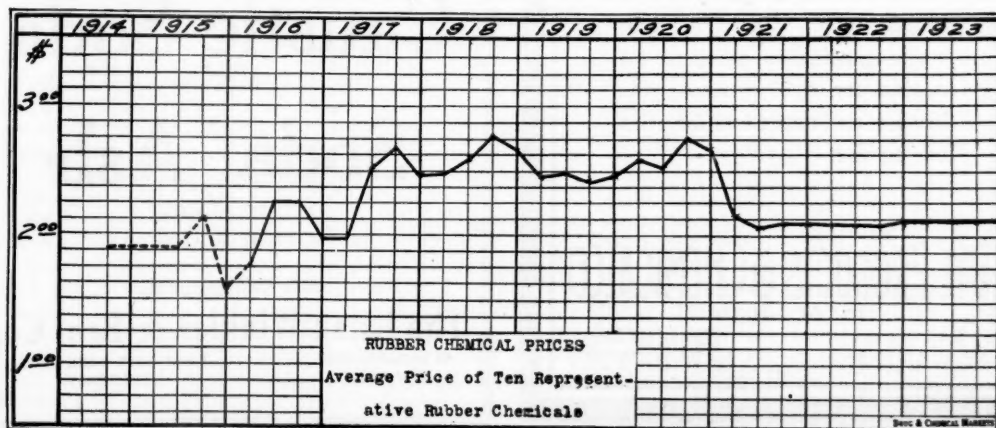
Talc—Domestic at \$15@\$18 ton works; French at \$40@\$45 ton; and Italian at \$47@\$58 ton.

White Barytes—Quoted in active demand at \$27@\$33 ton works.

Imports of crude rubber for nine months ended September 30 were 552,000,000 pounds, compared with 471,000,000 pounds for a like period in 1922. Imports from the British East Indies amounted to 363,000,000 pounds compared with 338,000,000 pounds in 1922, and shipments from the Dutch East Indies were 86,000,000 pounds, against 68,000,000 pounds in 1922.

OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, pigments, and other raw materials for the rubber industries not reported on this page, see Pages 1534, 1535, and 1536. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on Page 1556. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on Page 1556.





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Textile Chemicals

STARCHES AND DEXTRINES REDUCED

Decline of 20c Due to Lower Prices for Cash Corn—Albumen Stronger—Formic Acid in Good Demand—Liquid Chlorine Reduced—Bichromates in Routine Demand—Coal-Tar Dyes Quiet—Textile Mills Slowing Down

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17½	\$17.00	\$1.50
Acid, Oxalic .....	.12	.12	.11¾	.14	.70	.07¼
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate	4.80	4.80	4.80	5.75	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.25	4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.07	.07	.07	.06½	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07¼	.07¼	.07¼	.07½	.45	.04¼
Average	1.762	1.762	1.762	1.840	4.800	1.42

With textile mills throughout many sections of the country curtailing operations, the demand for textile chemicals has become routine and little activity is expected during the rest of the month. High cotton prices have also tended to restrict buying on the part of mill owners. Generally speaking prices of chemicals are at low levels and in many cases further declines seem impossible since they are now selling below cost. Bleach, chlorine and copper sulfate are below manufacturing costs. Chlorine is again lower. Starches and dextrines are lower. Albumen is stronger. Formic acid continues firm at recent levels.

Acid, Acetic—Buying is somewhat routine in nature with prices holding steady. Makers are quoting 28 per cent, \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Formic—Demand continues along fairly active lines with prices holding at recent levels. Importers are holding 90 per cent material at 12½c@13c. and the 85 per cent at 11½c@12c. Domestic is quiet at 16c.

Acid, Oxalic—Demand has been improving and prices are firm at present levels. Makers quote 12c. at works and 12½c. on spot. Imported at 12c@12½c. according to seller and quantity.

Acid, Sulfuric—Contract withdrawals continue along steady lines while spot business is reported good. Contracts for next year have been satisfactory. Prices are holding at \$15.00@16.00 per ton for 66° in tanks at works. Drums at \$1.10@1.25 and carboys, \$1.25@1.50; 60° acid at \$9.00@10.00 in tanks. Oleum is quoted at \$17.00@19.00 ton for 20 per cent in tanks at works. Drums at \$1.25@1.50.

Bleaching Powder—Prices appear to have settled at \$1.25 at which figure prompt and contract business over next year are being placed. Price shading is less in evidence and buying is reported improved. Chlorine has been reduced again for tanks on contract. The new price is 3c. Ton cylinders named at 5½c@6c. and small cylinders at 6c@8c.

Chlorine—A further reduction was announced last week for contract business in tanks over 1924. The new price is 3c., a decline of ¼c. Ton cylinders are unchanged at 5½c@6c. and small cylinders from 6c@8c.

Epsom Salt—Domestic makers are quoting technical at \$1.80@2.00 according to quantity. Imported material held at \$1.00@1.10. U.S.P. quality named at \$2.15@2.50 as to quantity.

Glauber's Salt—Prices holding at \$1.30@1.75 according to quantity and seller. Imported grades quoted at 85c@90c per 100lbs.

Potash, Caustic—German material is easier for shipment at 6½c@6¾c. according to seller. Spot goods at 7c@7¼c. Domestic material is not being quoted at present.

Soda Ash—Contract withdrawals have been along steady lines while most of the business for next year has been practically covered. Prices are named at \$1.38 for 58 per cent in bags at works on contract. Barrels at \$1.63. Dealers quote less-than-carlots at \$2.04, in bags delivered, for five and up, and \$2.29 in barrels.

Potassium Bichromate—Prices have been holding steady at recent levels. Demand has not been especially active but makers report more satisfactory buying with a fair volume of contract business over 1924. Quoted at 9½c@9¾c.

Sodium Bichromate—While some contract business has been placed for next year the bulk of the buying is confined to immediate requirements. Consuming industries have not been active and little activity is expected during the remainder of the year. Prices are holding at 7½c@7¾c. according to seller and quantity.

Sodium Prussiate—The market has steadied with prices of imported material held at 11½c@12c. Domestic supplies are quoted at 12½c@13½c.

Sodium Sulfide—Buying is reported improved but supplies are plentiful and prices are easy in some directions. Solid quoted from 3c@3¾c. and broken at 4½c@5¼c. at works. Crystals quoted from 2c@2¾c. according to seller.

Tin Products—Crystals and bichloride are higher due to the increased cost of tin during November. Crystals at 34½c@35c. and bichloride 13½c@13¾c.

Starches and Dextrines

Lower prices have been announced for corn products. British gum is now quoted at \$3.99@4.14 in carlots and \$4.09@4.24 in less than carlots. White corn dextrine named at \$3.64@3.74; yellow, \$3.69; potato, 7½c@8½c.; yellow, 8c. Powdered corn starch, at \$3.22@3.32; pearl, \$3.12; potato, 5c@6c.; tapioca flour, high grade, 7c.; medium, 5½c@6c.; low, 4c@4½c. Albumen, \$1.10lb.

OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see Pages 1534, 1535, and 1536. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on Pages 1556, 1574, and 1576. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on Page 1556.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls.27	.28	ACID, Carbolic—(Continued)			Acid, hydrofluoric—(continued)		
100 lb kgs. . . . .	.28	.30	Crude, 25% 50 gal. bbls. . . . .	.35	.36	60% 100 lb cty. wks. . . . .	.14	
USP 200 lb bbls. . . . .	.32	.33	10%, 50 gal. bbls. . . . .	.30	.32	60% 300 lb dr. wks. . . . .	.13	
Second Hands . . . . .	.29½	.30	Chloroacetic			White Acid, 100 lb cty. wks. . . . .	.26	
Acetic Anhydride, 85% 480 lb drs. . . . .	.38		mono 100 lb bbls. wks. . . . .	.30		White Acid, 10 cty. wks. . . . .	.25	
85% 107 lb cty. . . . .	.38		DI, 150 lb cty. wks. . . . .	.100		Hydrofluosilicic, 35% 450 lb bbls.	.15	.16
92-95% 100 lb cty. . . . .	.43	.45	Tri, 425 lb bbls. wks. . . . .	.245		wks.		
Acetone, CP 700 lb drs. c/l wks. . . . .	.25		Chlorosulfonic, 1500 lb drs.			Hypophosphorous, USP 30% 5		
700 lb drs. l/c/l wks. . . . .	.25½		wks. . . . .	.15	.16	gal. demis. . . . .	.95	
.350 lb drs. l/c/l wks. . . . .	.25½		Chromic, USP 200 lb drums. . . . .	.40		USP, 10% 5 gal. demis. . . . .	.32	
Second Hands, spot. . . . .	.30	.32	85% Pure, 200 lb drums. . . . .	.35		LACTIC , 22% dr. 500 lb bbls. . . . .	.04½	.05
Acetone Oils, light, drs. wks.	1.25	1.30	Chromotropic, 300 lb bbls.	1.25		22% light, bbls. . . . .	.05½	.06
Heavy, drs. wks.	1.25	1.30	Chrysophanic, see Chrysarolin			44% dark, bbls. . . . .	.09½	.10
Acetphenetidin, 150 lb bbls.	1.85	1.90	Cinnamic, 5 lb cans.	3.93		44% light, bbls. . . . .	.11½	.12
Acetyl Chloride, 100 lb cty. . . . .	.40	.41	CITRIC , USP cryst 230 lb bbls. . . . .	.49		66% bbls, dark, bbls. . . . .	.14½	.15
ACID , 1, 2, 4, 250 lb bbls. . . . .	.130		Powd., USP 200 lb bbls. . . . .	.50		66% light, bbls. . . . .	.25	.30
Acetic, 28%, 400 lb bbls. c/l			Imported, cryst. 112 lb kgs. . . . .	.47	.48	USP IX 100 lb cty. . . . .	.70	.75
wks. . . . .	.33	.36	Single kegs. . . . .	.47	.48	USP VIII 100 lb cty. . . . .	.70	
28%, l/c/l wks. . . . .	.67	.70	Cleaves, 250 lb bbls.	1.00	1.10	Laurent's, 250 lb bbls. . . . .	.90	
56%, c/l wks.	7.00		Cresylic, 95% dark dr. NY. . . . .	.75		Metanilic, 250 lb bbls. . . . .	.60	.65
56%, l/c/l wks.	8.38		97-99% straw, drs. wks. . . . .	.83	.85	Mixed, sulfuric-nitric		
70%, bbls, c/l wks.	8.63		97-99% pale, drs. NY. . . . .	.83	.85	Drums, wks. . . . .	.07½	.08
70%, l/c/l wks.	8.63		Crude, spot, drums. . . . .	.60	.70	Drums, wks. . . . .	.01	.01½
80% coml. bbls. c/l wks. 100 lb	.95		DIETHYLBARBITURIC , 10 lb lots,			Tank cars, wks. . . . .	.07½	.08
80% coml. l/c/l wks. . . . .	.93		1 lb bot.	8.50	10.50	Tank cars, wks. . . . .	.009	.01
80% pure bbls. c/l wks. 100 lb	11.41		Formic, 75% tech. 100 lb cty. . . . .	.11	.12	Molybdic , 85% pure 1 lb bot.	1.60	1.70
80% pure l/c/l wks.	11.60		90%, 75 lb cty. incl. . . . .	.12½	.14	85% pure, 100 lb kegs. . . . .	.185	
Glacial, bbls. c/l wks.	12.75		Gallic, USP, 150 lb bbls. . . . .	.65		Monosulfuric F, Delta , 50 lb		
Glacial, l/c/l wks.	13.03		Gamma, 225 lb bbls, wks.	1.80	1.90	tin. . . . .	.230	
Glacial, USP cty wks.	13.53		bbls. ton lots wks.	1.70	1.80	MURIATIC , 20° cty. l/c/l		
Acetylalicylic, 220 lb bbls. . . . .	.75	.85	Glycerophosphoric, 25% 1 lb b.	1.50	1.60	wks.	1.40	1.50
Second Hands . . . . .	.72½		H 225 lb bbls. . . . .	.80	.85	Cty. c/l wks.	1.35	1.50
Anthrakinone, ton lots dr. . . . .	.90		bbls. ton lots wks. . . . .	.75		Tank cars, wks.	1.00	1.10
95-98%, 100 lb drs.	1.00	1.10	Hydriodic, 10% USP 5 lb bot. . . . .	.73		18°, 120 lb cty.		
99-100%, 100 lb drs.	1.20		Hydrobromic, 48% coml. 155 lb			c/l wks.	1.00	1.10
Benzene, tech. 100 lb bbls. . . . .	.75		cty. wks. . . . .	.35	.40	Tank cars, wks. . . . .	.90	1.00
Tech. ton lots bbls. . . . .	.70		48% coml. 10 cty. wks. . . . .	.40		22°, 120 lb cty.	1.75	2.00
USP, 100 lb bbls. . . . .	.72	.77	40% USP 155 lb cty. wks. . . . .	.45	.48	c/l wks.	1.00	1.10
Second Hands . . . . .	.72	.77	10% USP 100 lb cty. wks. . . . .	.11	.13	Iron, free 20° cty.		
Boric, cry. powd. 250 lb bbls. . . . .	.10½	.11½	Hydrochloric, see also Acid Muriatic			c/l wks. . . . .	. . .	. . .
Keps, 100 lb . . . . .	.11	1.55	CP, USP, 110 lb cty. . . . .	.09	.11	Tank cars, wks. . . . .	. . .	. . .
Breunner's, 250 lb bbls. . . . .	.50	.60	HYDROFLUORIC , 30% 400 lb bbls.			Muriatic, CP & USP, see Acid Hydrochloric		
Butyric, 60% pure 5 lb bot.	1.35	1.50	wks. . . . .	.07		Naphthionic, tech. 250 lb bbls. . . . .	.62	
C.P. 1 lb bot.	5.90	6.00	30% bbls. c/l wks. . . . .	.08		Refined, single bbls. . . . .	.65	
Camphoric, USP, VIII 1 lb bot. . . . .	.38	.30	30% 100 lb cty. wks. . . . .	.07		Neville & Winter's, 250 lb		
Carbolic, USP cry. see also Phenol	.30	.32	48% single 100 lb cty. wks. . . . .	.11		bbls.	1.10	
112 lb tin. . . . .	.30	.32	48% 10 cty. wks. . . . .	.10				
25 lb tin.33	.35	52% 100 lb cty. wks.12				
35 lb tin or bot.37	.39	52% 10 cty. wks.11				
1 lb bot.36	.38						
Liquid USP, 1 lb bot.								

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HYDROCHLORIC NITRIC SULPHURIC

6 lb. bots. Case 12 bots.
Carboys 47 and 112 lbs.

7 lb. bots. Case 12 bots.
Carboys 50 and 137 lbs.

9 lb. bots. Case 12 bots.
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NEW YORK CITY

Chemicals

ACID, NITRIC, 36° 135D

chys. wks.100lb	4.75	: 5.00
Chys. c/l wks.100lb	4.50	: 4.75
38° single chys. wks. ....100lb	5.50	: 5.75
Chys. c/l wks. ....100lb	5.25	: 5.50
40° single chys. wks. ....100lb	6.00	: 6.50
Chys. c/l wks. ....100lb	5.75	: 6.00
42° single chys. wks. ....100lb	6.75	: 7.50
Chys. c/l wks. ....100lb	6.50	: 7.00
C. P. chys. single wks. ....100lb	.14	: .16
Oxalic, 325 lb bbls. wks. ....lb	.12	: .12½
Bbls. NY. ....lb	.12½	: .13
Keps. 100 lb NY. ....lb	.13	: .13½
Imp. 560 lb casks. ....lb	.12	: .12½
Phosphoric, 50% tech. 100 lb chys. ....lb	.08	: .09
USP, 86% syrup, 70 lb demis. ....lb	.12	: .14
Phthalic, see Phthalic Anhydride		
Picramic, 300 lb bbls. ....lb	...	: .65
Pieric, 450 lb bbls. ....lb	...	: .30
Bbls. car lots wks. ....lb	.20	: .25
Pyrogallic, crys. 5 lb cans. ....lb	1.10	: 1.20
Resublimed, 5 lb cans. ....lb	1.50	: 1.60
Tech. powd., 200 lb bbls. ....lb	...	: .80
Saltic, tech. 125 lb bbls. ....lb	.32	: .33
USP, 100 lb bbls. ....lb	...	: .35
Second Hands. ....lb	.34	: .35
Sulfanilic, 250 lb bbls. ....lb	.17	: .20
SULFURIC, 66° 180 lb chys. c/l wks. ....100lb	1.50	: 1.75
Chys. c/l wks. ....100lb	1.25	: 1.50
1500 lb Drums, 1c/l wks. ....100lb	...	: 1.25
Drums, c/l wks. ....100lb	...	: 1.10
Tank cars, wks. ....net ton	15.00	: 17.00
60° 1500 lb Drums, 1c/l wks. ....100lb	.70	: .90
Drums, c/l wks. ....100lb	.60	: .80
Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175 lb chys. ....100lb	...	: .09

Acid Sulfuric


Oleum, 20 p.c. 1500 lb drums, 1c/l wks. ....100lb	1.50	: 1.75
Drums, c/l wks. ....100lb	1.25	: 1.50
Tank cars, wks. ....net ton	17.00	: 19.00
Contract cars, wks. ....ton	...	: ...
Oleum, 40% drs 1c/l wks. net ton	...	: 40.00
Oleum, 60% drs., 1c/l wks. net ton	...	: 70.00
Sulfurous, USP 6% 100 lb chys. lb	.05	: .06
4% 100 lb chys. ....lb	.04	: .05
USP, 5 gal. demis. ....lb	.06	: .08
Tannic, tech. 300 lb bbls. ....lb	...	: .45
USP, powd. 200 lb bbls. ....lb	.80	: .83
USP, fluffy, 50 lb bbls. ....lb	.80	: .83
Tartaric USP cryst 300 lb bbls. lb	...	: .31
USP, powd. 300 lb bbls. ....lb	...	: .31
Imp. USP, 240 lb bbls. ....lb	.28	: .29½
Powd. 240 lb bbls. ....lb	.28	: .29½
Tobias, 250 lb bbls. ....lb	1.00	: 1.10
Tungstic, 100 lb kegs. ....lb	...	: 1.00
Valeric, C.P., 10 lb bot. ....lb	4.00	: 4.25
Acetone Alk. crys. 1 oz. vis. oz	...	: 30.00
Amorphous, 1 oz. vis. ....oz	...	: 20.00
Adeps Lanae, hydrous 350 lb bbls. lb	.21	: .23
Anhydrous, 350 lb bbls. ....lb	.23	: .24
Albumen, Egg. edible. ....lb	1.15	: 1.20
Technical, see Dyes. Sundries		
ALCOHOL, USP 190 pf. 50 gal. bbls. ....gal	4.85	: 4.91
Second Hands, bbls. USP 190 pf. ....gal	...	: ...
Export, USP, 190 pf. ....gal	.45	: .83
Cologne Spirit, 50 gal. bbls. gal	4.77	: 4.87
WOOD, see Methanol		
Alcohols, also in 50 gal drums, extra and returnable.		
Amyl, see Oil Fuel		
Butyl, 50 gal. drums. ....lb	.45	: .50
Isobutyl, crude 50 gal. drums. gal	...	: ...
Refined, 10 lb can. ....lb	2.00	: 2.50

ALCOHOL—(continued)

Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91% drs. ....gal	...	: 3.50
Methyl, see Alcohol, Wood		
Propyl, nml. crd. 50 gal. drms. gal	...	: 4.40
Refined, 10 lb can. ....lb	...	: .75
Denatured		
No. 1 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.56	: .58
50 gal. drums, extra. ....gal	.51	: .53
No. 1 Special Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.54	: .56
50 gal. drums, extra. ....gal	.48	: .50
No. 5 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.53	: .55
50 gal. drums, extra. ....gal	.47	: .49
No. 6 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.53	: .55
50 gal. drums, extra. ....gal	.46	: .48
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Aloin, USP 100 lb cases. ....lb	.90	: .95
Alpha-Naphthol, crude 300 lb bbls. lb	...	: .65
Refined, 300 lb bbls.lb	...	: .75
Alpha-Naphthylamine, 350 lb bbls. lb	.35	: .37
Ton lots, bbls, wks.lb	...	: .35

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Sodium Sulphide
Sodium Silicate
Sodium Phosphate

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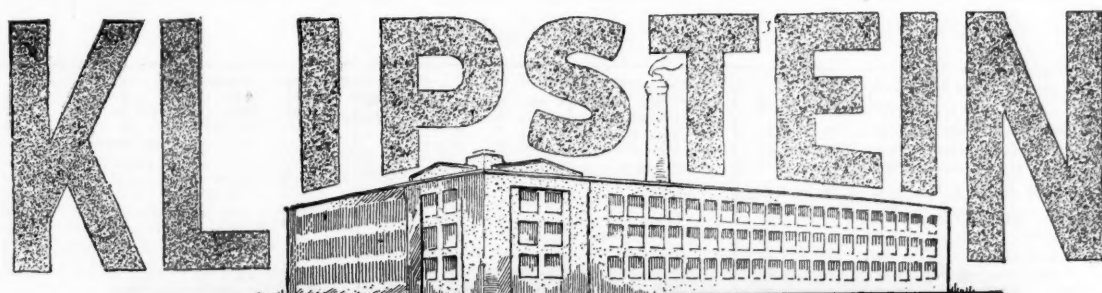
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ALUM, Ammonia, lump 400 lb bbls.		
Wks.	100 lb	3.50 : 3.65
Imp., 500 lb cases	100 lb	3.50 : 4.00
Ground, 400 lb bbls. wks.	100 lb	3.65 : 3.75
Powd., 380 lb bbls. wks.	100 lb	3.90 : 4.00
Chrome 500 lb cks wks.	100 lb	5.50 : 6.00
Potash, lump 400 lb bbls.		
Wks.	100 lb	4.50
Bbls. c/l wks.	100 lb	4.25
Cont. bbls. c/l wks.	100 lb	4.35
Imp. 650 lb cases s.p.	100 lb	3.00 : 3.35
Ground, 400 lb bbls. wks.	100 lb	4.35 : 4.60
Imp. 650 lb cases	100 lb	3.00 : 3.35
Powd., 380 lb bbls. wks.	100 lb	4.50 : 4.75
Chrome, 700 lb cks wks.	100 lb	5.50 : 6.00
Soda, grd. 400 lb bbls. wks.	100 lb	4.00
Bbls. c/l wks.	100 lb	3.50
Aluminum, metal, c/l NY.		
25.50	26.00	
Chloride, anhyd. 275 lb drs. ....		.20 : .22
30% sol. 120 lb chys. ....		.03½ : .04
Hydrate 90% light 90 lb bbls. ....		.18½ : .20
SULFATE, Iron-free bags c/l		
Wks.	100 lb	2.40 : 2.50
Imported, spot	100 lb	2.25
Comm'l., ¼% iron, bags, c/l		
Wks. East 100 lb		1.40
Cont. bags, c/l wks. E.	100 lb	1.40
Bags, c/l wks. W.	100 lb	1.35
Bbls., c/l wks. East.	100 lb	1.35
Bulk, c/l cont. wks. E.	100 lb	...
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes		4.60 : 5.00
1 lb cartons, 10 lb ....		...
Aminoazobenzene, 110 lb kgs.		1.15

AMMONIA anhyd. 100 lb cyl.		
...		.30
Water, 26° 800 lb drs. wks. ....		.07½
Dra. c/l wks. ....		.07½
C.P., chys. ....		.14
Imp., 800 lb drs. incl. spot. ....		.08½ : .07
26° 100 lb chys. lc/l wks. ....		.08½ : .09½
Chys., c/l wks. ....		.08½ : .09
20° 800 lb drs. lc/l wks. ....		.08
Chys., lc/l wks. ....		.07½ : .08
18° 800 lb drs. lc/l wks. ....		.05½
Chys., lc/l wks. ....		.07½
16° 800 lb drs. lc/l wks. ....		.04
Chys., lc/l wks. ....		.07
Ammonium Acetate, 100 lb kgs.		
...		.40
Benzonate, USP, 1 lb bot. ....		.98 : 1.05
Bifluoride, 300 lb bbls. ....		.22 : .23
100 lb kgs. ....		.23 : .24
Bromide, 50 lb boxes ....		.33
Imported, 112 lb boxes ....		.17½ : .18½
Carb., tech. 560 lb cases ....		.09
Powd., tech. 385 lb bbls. ....		.09½
USP, lump, 100 lb kgs. ....		.08½
Powd., 100 lb kgs. ....		.10½
Chloride, Domestic		
White gran. 250 lb bbls. NY. ....		.08
Bbls., c/l wks. ....		.07½
Gray 250 lb bbls. wks. ....		.08½ : .08%
Bbls., c/l wks. ....		.08 : .08½
Imp. wh. 600 lb cases spot. ....		.06½ : .06%
Gray, 600 lb cases spot. ....		.07½ : .08
Lump, 500 lb cases spot. ....		.14 : .15
Ichthyolate, as to brand.		4.25 : 5.00
Iodide, USP, 25 lb jars.		5.20
Lactate, 500 lb bbls. ....		.15 : .16
Nitrate, tech. crys. 225 lb bbls. ....		...
Refined Crystals, bbls. ....		.18 : .20
CP gran. 100 lb kgs. ....		.35 : .37
Oxalate, pure, 100 lb kgs. ....		.40 : .42

AMMONIUM—(Continued)		
Persulfate, 112 lb cases ....		.40 : .45
Phosphate, dibasic 200 lb bbls. ....		.35 : .36
Tech., powd. 325 lb bbls. ....		.15 : .17
Salicylate, USP 100 lb kgs. ....		...
Sulfate, bulk c/l wks.	100 lb	2.90 : 2.95
200 lb single bags c/l wks.	100 lb	3.05 : 3.10
200 lb double bags, f.a.s.	100 lb	3.10 : 3.40
Sulfocyanide, tech. 100 lb kgs. ....		...
CP, 25 lb jars. ....		.75 : .80
Amyl Acetate, tech. 50 gal. drs.	gal	4.65 : 4.75
90%, 5 gal. cans.	gal	7.00 : 8.00
Alcohol, see Fusel Oil		
ANILINE OIL, 900 lb drs.		
...		.16 : .17
Aniline Salt 200 lb bbls. ....		.23 : .24
Anthracene, 40-45% 600 lb cases		
Wks. ....		.12 : .17
80-85%, 600 lb cases wks. ....		.75 : 1.00
28-30%, Imp. ....		...
Anthraquinone, subl. 125 lb bbls. ....		...
30% paste 350 lb bbls. ....		...
Antimony metal, slabs ton lots 100 lb		8.75 : 9.00
Needle Powd., 100 lb cases ....		.07% : .08½
ANTIMONY CHLORIDE, anhyd 1000 lb		
drs. ....		...
50 lb crocks ....		.35 : .48
Bol'n, 130 lb carboys ....		...
Oxide, 500 lb bbls. ....		.08½ : .09
Salt, dom. 500 lb bbls. ....		.24 : .25
Imp., NY. ....		.19 : .20
Sulfuret, golden 500 lb bbls. ....		...
336 lb kgs. ....		.19
Crimson, 500 lb bbls. ....		...
336 lb kgs. ....		.36
Red, 500 lb bbls. ....		...
336 lb kgs. ....		.42
Tartrolactate, 500 lb bbls. ....		...
Antipyrine, USP, 100 lb cases		2.35 : 2.50
Apomorphine Hydrochloride, ¼ oz. vials.		19.10 : 19.35
Arecoline Hydrobromide, 1 oz. vials.		9.00 : 10.50
Argols, red powd. 350 lb bbls.06½ : .07

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Sodium Nitrite
Sodium Salicylate
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Chemicals

Aspirin, metal 220 lb kegs.....lb45	Benzidine Base, dry 250 lb bbls. lb82	BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	.15	.13 1/4	10 bbl. lots.....lb	.80	.82	Suboxide, 5 lb lots.....lb	...	4.70
White, 550 lb bbls., c/1 NY.....lb	.13 1/4	.14	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 lb bbls.....lb	...	2.90
Asbestine.....ton	18.00	18.00	bbls.....lb	.70	.72	Second Hands, bbls. or less.....lb	...	2.80
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Cones, 1 lb bot.....lb	...	3.95
Atropine Alk. USP, 1 oz. vial.....oz	7.50	8.00	Benzonaphthol, 5 lb boxes.....lb	3.50	3.60	Subsalicylate, USP, 175 bbls.....lb	...	3.10
Sulfate, 5 oz. cans.....oz	...	4.00	Benzoyl Chloride, 500 lb drs.....lb	...	1.00	Tannate, 1 lb bot.....lb	...	2.75
Single ounce.....oz	...	4.17	Benzyl Acetate, 100 lb clys.....lb	1.40	1.50	above on basis 25 lb lots.		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5 lb bot.....lb	1.60	1.70	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.	...	70.00	Benzonate, 5 lb bot.....lb	1.50	1.60	Blanc Fixe, dry 400 lb bbls, wks. ton	75.00	80.00
Wks.....ton	...	70.00	Medicinal FFC.....lb	1.75	1.85	Imported, bbls.....ton	70.00	72.00
Imports, bbls., spot.....ton	...	75.00	Chloride, 95% tech. 925 lb drs. lb	...	.30	Paste, 650 lb bbls.....ton	50.00	55.00
Precip., 200 lb bbs., wks.....ton	...	70.00	100 lb clys.....lb	.30	.35	BLEACHING POWDER, 700 lb drs.		
Chloride, 800 lb bbls. wks.....ton	80.00	82.00	Redistill. 100 lb clys.....lb	.40	.45	c/1 wks.....100 lb	...	1.25
200 lb bbs. wks.....ton	...	80.00	Formate, 1 lb bot.....lb	4.00	4.25	Drums 1c/1 ex-warehouse.....100 lb	1.90	2.00
Import, bbls., spot.....ton	...	85.00	Berberine Hydrochloride, 1 lb bot.....lb	...	22.50	Contract, c/1 wks.....100 lb	...	1.25
Dioxide, 88% 690 lb drs.....lb	.17	.18	Sulfate, acid or neut. 1 lb bot.....lb	...	22.00	F. a. s. c/1.....100 lb	...	...
Import, 83-85% 400 lb drs. lb	.14	.16	BETA-NAPHTHOL, 350 lb bbls, wks. lb	...	.26	Imported, spot.....100 lb	...	...
Hydrate, 500 lb bbls.....lb	.05 1/4	.06	Carlots, wks.....lb	...	.25	Blue Ointment, see Mercury		
Iodide, 5 lb box.....lb	...	5.15	Sublimed.....lb	.55	.60	Mass, see Mercury		
Nitrate, 700 lb casks.....lb	...	.10	Beta-Naphthylamine, tech. 200 lb.			Bone Ash, 100 lb kegs.....lb	...	.02
Import casks.....lb	.08 1/4	.08 1/2	bbls.....lb	...	.76	Black, 200 lb bbls.....lb	.06	.08
Sulfocyanide 400 lb bbls.....lb	...	.35	Sublimed, 200 lb bbls.....lb	...	1.85	Borax, USP, crys. 400 lb bbls.....lb	.05 1/4	.06
Barytes, floated 350 lb bbls.....ton	33.50	35.00	Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb bbls.....lb	.05 1/4	.06
Bay Rum, Porto Rican, genuine			BISMUTH metal, 150 lb cases.....lb	2.80	2.85	Kegs, USP, 100-150 lb.....lb	.06	.06 1/4
Denat. salicy acid or tartar emetic			Second Hands.....lb	2.80	2.85	Sordeaux Mixture, powd. bbls.....lb	.12	.15
45 gal. bbls.....gal	2.50	2.75	Ammon. Citrate, USP 5 lb bxs.....lb	...	5.75	Paste, bbls.....lb	...	.10
Denat. quinine sulf. 45 gal.	2.65	2.75	Botanaphtholate, 5 lb bxs.....lb	...	3.35	Borneol, 1 lb bot.....lb	...	3.50
Domestic synthetic, 50 gal.	1.10	1.25	Citrate, USP 5 lb bxs.....lb	...	3.15	Bromide, see potass. bromide, etc.		
bbls.....gal	1.10	1.25	Nitrate, 25 lb jars.....lb	...	2.00	Bromine, bot. in 60 lb cs. wks.....lb	...	.29
Benzaldehyde, tech. 945 lb drs.	.75	.80	Oxychloride, 250 bbls.....lb	...	3.50	Bromobenzene, 600 lb drums.....lb	.40	.42
wks.....lb	...	1.60	Phenoisulfonate, 5 lb cans.....lb	...	3.20	Bromoforn, USP 5 lb bot 50 lb cs. lb	...	1.50
USP, 40 lb clys.....lb	1.50	1.60	Sallylate, 250 bbls.....lb	...	2.00	Brucine Sulfate, 100 ozs.....oz	...	.20
FFC, 40 lb clys.....lb	1.75	1.85	Subcarbonate, USP, 250 bbls.....lb	...	3.40	Butter of Antimony, see Antimony Chloride		
BENZENE, 90% 8000 gal. tanks			X-Ray diag. 1 lb bot.....lb	...	3.80	CADMIUM, metal 100 lb bxs.....lb	1.20	1.25
wks.....gal	.20	.21	Subgallate, USP, 175 lb bbls.....lb	...	2.80	Bromide, 50 lb cases jars.....lb	...	1.10
110 gal. drs. wks.....gal	.25	.26				Iodide, 10 lb bot.....lb	...	4.45
Pure, Tanks, wks.....gal	.21	.22				Sulfide, cs.....lb	1.50	1.60
110 gal. drs. wks.....gal	.26	.28						

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 Brucine and Salts
 Caffeine and Salts
 Cocaine and Salts
 Codeine and Salts
 Colchicine Alkaloid, U. S. P.
 Colchicine Salicylate
 Creosote, U. S. P.
 Creosote Carbonate

Cumarin
 Diacetylmorphine
 Alkaloid and Hydrochloride
 Digitalin Pure
 Duboisine Sulphate
 Emetine and Salts
 Eserine and Salts
 Guaiacol Liquid
 Guaiacol Carbonate
 Homatropine and Salts
 Hydrastine and Salts
 Hydrastinine Hydrochloride
 Hyoscyne Hydrobromide
 Hyoscyamine and Salts
 Morphine and Salts
 Phenolphthalein

Pilocarpine and Salts
 Potassium Guaiacol
 Sulphonate "Alta" Brand
 Salicin
 Saponin Purified
 Scarlet Red Medicinal
 Genuine "Biebrich"
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 Yohimbin Hydrochloride

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Chemicals

CAFFEINE ALK, USP 5 lb cans.. D			4.00	:	4.25	CAMPBOR, Amer. ref. 250 lb					
Second Hands	D				3.90	bbls.	D			.93	
Hydrochloride, 1 lb bot.....	D		7.12	:	7.32	2 1/2 lb slabs, 100 lb cs.....	D			.94	
Sulfate, 1 lb bot.....	D				5.50	1 lb cakes, 100 lb cs.....	D			.94 1/2	
Citrate, 25 lb cans.....	D		3.00	:	3.10	1 oz. tab., 1 lb ctns.	D			.98 1/2	
Hydrobromide, 1 lb bot.....	D				4.75	100 lb cs.	D				
CALCIUM Acetate, 150 lb bgs, c/l						1/2 oz. tab., 1 lb ctns.	D			.99	
100 lb	D				4.00	Jap. ref 2 1/2 lb slabs, 100 lb	D			.86	
Arsenate, 100 lb bbls. c/l wks..	D		.13	:	.15	cs.	D			.87	
Bbls. lc/l wks.....	D				15 1/2	1 oz. tab., 100 lb cs. 1 lb	D			1.01	
Bromide, 100 lb cs.....	D				.44	time	D				
Carbide, 220 lb dr. c/l wks..	D				.04 1/2	1/2 oz. tab. 100 lb cs. 1 lb	D			1.03	
Drums lc/l wks.....	D				.05	time	D				
Carbonate, tech. 100 lb bags	D					Chinese ref. 2 1/2 lb slabs 100 lb	D			.90	
c/l	D		1.00	:	1.10	cs.	D			.72	
USP, precip. 175 lb bbls..	D				.04	Crude, 100 lb cs.....	D			.73	
Chloride, solid, 650 lb dra. c/l	D				24.50	Campbor, Monobrom. 100 lb cs..	D			1.75	
f.o.b. NY	D					Caramel. 50 gal. bbls.....	D			.60	
Gran. 350 lb dra. c/l f.a.b.	D				30.50	Carbasol, 250 lb bbls.....	D			.75	
NY	D					Carbon Bisulfide, 500 lb dr., lc/l NY	D			.06 1/2	
Flake 350 lb dra. c/l dra. f.a.b.	D				30.50	c/l drums, NY.....	D			.06	
NY	D				.13	Carbon Black, 12 1/2 lb bags, wks..	D			.12	
Anhyd., 350 lb dra. f.o.b. NY..	D				1.50	Carbon Tetrachloride, 1400 lb dra.	D				
Glycerophosphate, 250 lb bbls..	D				.60	NY	D			.10 1/2	
Hydrate, (see Lime)	D				4.35	Drums, c/l NY.....	D			.09 1/2	
Hypophosphite, USP, 25 lb cans	D				.13 1/2	700 lb dra. single NY.....	D			.10 1/2	
Iodide, 5 lb bot.....	D				.60	Carmine, No. 40 5 lb boxes.....	D			4.75	
Lactate, tech. 500 lb bbls..	D				40.00	Casein, edib., 100 lb keg.....	D			.40	
U.S.P.	D				.09	Technical, 200 lb bbls.....	D			.12	
Nitrate, 220 lb bbls. c/l NY ton	D				.10	Castoreum, 1 lb boxes.....	D			4.00	
Phosphate, tech. 350 lb bbls..	D				.11	Castor Oil, USP 50 gal. bbl.....	D			.14	
Phosphate, precip. tribasic 200	D				.07	Cases, 80 lb 2 tins.....	D			.15	
lb bbls. wks.....	D				.57	Tech., see Fixed Oils					
Phosphate, mono.....	D					Caustic Potash, see potash, caustic					
Sulfocarbonate, 100 lb bags.....	D					Soda, see soda, caustic					
Calomel, see Mercury						Cellulose Acetate, 100 lb cases..	D			1.75	
						Cerium Oxalate, USP 100 lb kgs..	D			.43	

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Liquid Chlorine

Chemicals

Cinchonidin alk., pvd. 100 oz. tinsos70	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs..b	.20	.25
Crystal	...	.43	NY	13.12	13.25	CP drums	...	.50
Sulfate, 100 oz. tins. ....oz	...	.25	Lake, c/l NY	13.25	13.37	Digitalin, Pure, 1 oz. vial. ....oz	10.00	10.25
Citrine Ointment, see Mercury			Casting, c/l NY	...	12.75	Dimethylaniline, 840 lb. drs. wks. b	.39	.40
Coal Tar, Tins. & bbls., wks. ....gal	.06	.08	Carbonate, 400 lb. bbls. ....b	.17	.17 1/2	Dimethylsulfate, 100 lb. drs. ....b	...	.50
Cobalt metal, 100 lb. kegs. ....b	2.75	2.85	Chloride, 250 lb. bbl. ....b	...	.28	Dinitrobenzene, 400 lb. bbls. ....b	.19	.20
Cobalt Oxide, 500 lb. bbls. ....b	...	2.10	Cyanide, 100 lb. drs. ....b	.58	.60	Dinitrochlorobenzene, 400 lb. bbls. b	.19	.20
10 lb tins, 200 lb cases. ....b	...	2.35	Iodide, 5 lb. bot. ....b	...	5.65	Dinitronaphthalene, 350 lb. bbls. b	.32	.34
COCAINE alk., USP, 1 oz. vial. ....oz	...	10.00	Oxide, red 1000 lb bbls. ton lots b	.17	.18	Dinitrophenol, 350 lb. bbls. ....b	...	.40
Hydrochloride, USP—1 oz. vials,			Sub-Acetate, vend. 440 lb. bbls. b	.23	.28	Dinitrotoluene, 300 lb. bbls. ....b	.19	.20
25 oz. ....oz	...	7.07	SULFATE, crys. 450 lb. bbls. l/c/l			Dionin, see Morphine, Ethyl		
In 1/2 oz. vials. ....oz	...	7.50	spot	4.80	5.00	Diphenylamine, 250 lb. bbls. ....b	.48	.50
In crystals, granular, powder,			Carlota, bbls. f.o.b. NY. 100 lb	4.60	4.70	Diphenylguanidine, 170 lb. bbls. ....b	1.10	1.15
or flaky crystals as desired.			Carlota, bbls. delivered. 100 lb	4.95	5.25	Dover's Powder, USP 5 lb. tins. ....b	2.20	2.30
Cocoa Butter, bulk, 200 lb. bales. b	.26	.26 1/4	Imp. 550 lb. cks. ....100 lb	4.50	5.00	Duboisine Sulfate, 1 oz. vial. ....oz	...	55.00
Fingers, cakes, etc. 12 lb bxs. ....b	.34	.35	Powdered, 350 lb 5 bbls. ....b	5.75	6.00	EARTH, Diatomaceous, see Kieselguhr		
CODEIN alk., 1 oz. vial. 10 oz.			Copperas, bulk c/l wks. ....ton	18.00	20.00	Emetine, alk., 15 gr. vials. ....oz	...	1.65
lots	...	8.62	400 lb. bbls. c/l wks. ....ton	23.00	25.00	Hydchlde, USP 1 oz. vial. ....oz	18.00	19.00
Hydrobromide, 1 oz. vial, 10 oz.			200 lb bgs. c/l wks. ....ton	21.00	23.00	15 gr. vials. ....oz	...	.82
lots	...	6.92	Powdered, bbls. ....100 lb	1.90	2.00	EPSOM SALT, tech. 300 lb. bbls.		
Hydrochloride, 1 oz. vial, 10 oz.			Sugar, 400 lb. bbls. ....100 lb	1.50	1.75	NY	...	2.15
lots	...	7.77	Corn Syrup, 42 deg. 50 gal.			Bbls. c/l NY. ....100 lb	...	2.00
Nitrate, 1 oz. vial, 10 oz. lots. ....oz	...	7.77	bbls. ....100 lb	...	3.51	100 lb bgs. c/l NY. ....100 lb	...	1.80
Phosphate, 1 oz. vial, 10 oz.			43 deg. 50 gal. bbls. ....100 lb	...	3.56	Imp., 220 lb bgs. c/l		
lots	...	6.47	45 deg. 50 gal. bbls. ....100 lb	...	3.63	NY	...	1.10
Salicylate, 1 oz. vial, 10 oz.			Corrosive Sublimate, see Mercury Bichloride			USP, 300 lb. bbls. 10 bbls. 100 lb	...	2.50
lots	...	6.47	Cotton Soluble, 100 lb. bbls. wet. b	.40	.42	Carlota, bbls. ....100 lb	...	2.15
Sulfate, 1 oz. vial, 10 oz. lots. ....oz	...	6.92	Coumarin, 25 lb. tins. ....b	4.50	4.65	Imported, 400 lb. bbls. ....100 lb	...	2.00
Small Sizes, 1/2 oz. vials, 50c extra,			Second Hands	...	4.35	100 lb kegs. ....100 lb	2.25	2.50
1/4 oz. 25c extra, singles 7c extra			CREAM TARTAR, USP, 300 lb			Ergotin, Bonjean, 1 lb. jars. ....b	6.00	6.35
per oz.—25 oz. lots, 10c oz. cheaper			bbls. ....b	...	.25 1/2	Eserine alk., 1 oz. vial. ....oz	...	30.00
than above. Less than 10 oz. 15c oz.			Imp. powd. USP, 224 bbls. ....b	.23 1/2	.24	Salicylate, USP 1 oz. vial. ....oz	...	22.00
higher than above.			Creosote, USP, 42 lb. chys. ....b	.40	.42	Sulfate, USP VIII, 1 oz. vial. ....oz	...	17.00
COD LIVER OIL, Norwegian, 30 gal.			Carbonate, 1 lb. bot. 25 lb. ....b	1.80	2.00	ETHER, USP 55 lb. drums. ....b	...	.13
bbls. ....bbl	24.00	25.00	Creosote Oil, 50 gal. drs. ....gal	.20	.22	Anaesthesia, 55 lb. drums. ....b	...	.16
Newfoundland, 30 gal. bbls. ....bbl	...	...	Cresol, USP 400 lb. bbls. ....b	.25	.30	USP, 1880 55 lb. drums. ....b	...	.38
Colchicine alk., USP 1 oz. vial. ....oz	...	30.00	Cyanamide, bulk c/l wks. Amm. unit	...	2.25	Washed, 55 lb. drums. ....b	...	.30
Salicylate, 1 oz. vial. ....oz	...	45.00	DIAMINOPHENOL, 100 lb. kegs. ....b	...	3.80	Motor, 1 lb. cans. ....b	.24	.27
Collodion USP 30 lb. drums. ....b	...	.22	Dianisidine, 100 lb. kegs. ....b	...	4.60	Ether, Nitrous, 1 lb. bot. ....b	.92	.95
Ethyl Benzyl Aniline, 300 lb. drs. b	...	1.30	Dichlorobenzene, 1000 lb. drs. ....b	.06	.07	Ethyl Benzyl Aniline, 300 lb. drs. b	...	1.30
			Diethylaniline, 850 lb. drs.b	.50	.55			
			Diethyl Phthalate, 25 lb. cans.b	.55	.65			
			1000 lb. drs.b	.45	.50			

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Potassium Binoxalate
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Sodium Oxalate
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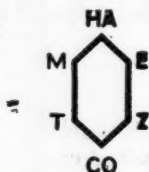
Dependable CHEMICALS

Chemicals

Ethyl Acetate, 99%, 50 gal. dr. gal.	1.12	: 1.15	Gelatin, USP silver bbl. 100 lb. ca. D.	.85	: .90	Hydrastinine Hydrochloride, USP 15 gr.		
85-90% Ester, 50 gal. dr. gal.	...	: 1.00	Gold Label, 100 lb. cases.....D	...	: ...	vials.....vial	...	: 2.40
Carlots, drums.....gal	...	: .97	Technical, 100 lb. ca.....D	.80	: .85	Hydrobenzene, 100 lb. kgs.....D	1.30	: 1.35
Tanks Cars.....gal	...	: .95	GLAUBER'S SALT, tech. 200 lb. bags			HYDROGEN PEROXIDE, 25 vol. 400 lb		
Pure, 5 lb. bot.....gal	...	: 3.50	1c/l wks.....100 lb	1.15	: 1.25	bbls.....D	...	: .10
Bromide 115 lb. drs.....D	...	: .40	350 lb. bbls. c/l wks.....100 lb	1.30	: 1.35	USP Sol'n, 375 lb. bbls.....D	.05	: .05 1/2
Chloride, 15 lb. cyl.....D	...	: .35	Bbls. 1c/l wks.....100 lb	1.50	: 2.00	USP bot. 4 oz. cases.....gross	8.00	: 8.25
Methyl Ketone, 50 gal. drums. D	.35	: .35 1/2	Imported, bbls. spot.....100 lb	.85	: .90	Bot. 8 oz. cases.....gross	11.75	: 12.00
Morphine, see Morphine, Ethyl			USP, 300 lb. bbls. imp. sp. 100 lb	...	: 1.25	Bot. 16 oz. cases.....gross	19.75	: 20.00
Ethylene Bromide, 600 lb. drs.....D	...	: .60	USP, 300 lb. bbls. dom. sp. 100 lb	...	: 1.75	Hydroquinone, 100 lb. kgs.....D	1.40	: 1.50
Glycerol.....D	.85	: 1.00	USP, 300 lb. bbls. c/l wks. 100 lb	...	: 1.40	Hyoscine Hydrobrom. USP 1 oz.		
Chloroform, anhyd. 50 gal. drs. D	.75	: .85	Calcined, see Sodium Sulfate			vial.....oz	...	: 31.00
40% Solution, 50 gal. bbls. D	.25	: .30	Glucose, (Grape Sugar) dry, 100			Five ozs. 1 oz. vials.....oz	...	: 30.50
Dichloride, 50 gal. drs.....D	.20	: .25	70° bags, c/l NY.....100 lb	...	: 3.41	Hyoscamine Alk. Cryst., 1 oz. vial. oz	...	: 35.00
Ethylideneaniline.....D	...	: .70	Syrup, Drs. & bbls. c/l NY 100 lb	3.51	: 3.70	Alkaloid, Amorphous, 1 oz. vial. oz	...	: 75.00
Eucalyptol, 25 lb. cans.....D	.80	: .85	1c/l NY.....100 lb	3.61	: 3.90	Hydrobromide, USP 1 oz. vial. oz	...	: 60.00
Feldspar, bulk.....ton	20.00	: 25.00	GLUE, pure white, bbls.....D	.30	: .35	Sulfate, 1 oz. vial.....oz	...	: 35.00
FERRIC CHLORIDE, tech. crys.			Medium white, bbls.....D	.25	: .30	INDOL, C. P. 1 oz. bot.....oz	6.00	: 6.50
475 lb. bbls.....D	...	: .08	French, bbls.....D	.18	: .25	Iodides, see Potass. Iodide, etc.		
Imported.....D	...	: .07	High Grade, bbls.....D	.35	: .40	IODINE, crude, 200 lb. kgs.....D	3.92	: 4.01
USP, crys. 100 lb. kgs.....D	...	: .09	Roce, regular, bbls.....D	.10	: .12	Resublimed, 10 lb. jars.....D	...	: 4.55
Imported.....D	...	: .08	Fish, bbls.....gal	1.50	: 1.75	Tincture, USP, 50 gal. bbls. gal	4.35	: 4.50
Neut. Sol'n 40° 140 lb. chys. D	...	: .06 1/2	GLYCERIN, C. P. 550 lb. drums. D	.16 1/2	: .17	Carboys.....gal	4.55	: 4.65
48° 140 chys.....D	...	: .08	Cans, 50 lb.....D	.18	: .18 1/2	Iodoform, powd. 10 lb. bot.....D	...	: 6.00
USP Sol'n 125 lb. chys.....D	...	: .06 1/2	Dynamite, 100 lb.....D	.15 1/2	: .16	Crystals, 10 lb. bot.....D	...	: 7.00
Ferrous Chloride, crys. tech. D	...	: .06 1/2	Saponification, tanks.....D	.12 1/2	: .12 1/2	Iridium, metal 100s lots.....oz	...	: 250.00
475 lb. bbls.....D	.06	: .06 1/2	Soap, Lye tanks.....D	.10 1/2	: .11	Iron, metal by hydrogen 1 lb. bot. D	.65	: .70
Ferrous Sulfate, 1000 lb. bbls. 100 lb	2.50	: 3.00	Goa Powder, see chrysarobin			IRON & AMM. CITRATE, USP 25 lb		
Flake White, see lead, white			Graphite, crude 220 lb. bags.....ton	15.00	: 35.00	cans.....D	...	: .84
Fluorspar, 95% 220 lb. bgs. ex			Flake, 500 lb. bbls.....D	.05	: .09	Green scales, 25 lb. cans.....D	...	: .84
dock.....ton	...	: 25.00	Ground, lump, bbls.....D	.04	: .05	Carodylate, 10 lb. bot.....D	6.50	: 6.75
96% bgs.....ton	...	: 33.50	Gualacol liquid, USP, 25 lb. cans. D	2.45	: 2.60	Citrate, USP VIII 25 lb. cans. D	...	: .99
98% bgs.....ton	...	: 35.00	Benzonate, 1 lb. bot.....D	...	: 18.00	Chloride, see ferric or ferrous		
FORMALDEHYDE, USP 400 lb. bbls.			Carbonate, 5 lb. boxes.....D	4.80	: 5.00	Hypophosphite, 5 lb. cans.....D	1.50	: 1.60
c/l wks.....D	...	: .11	HAARLEM OIL, Dom. 8 gr. ca. gross	...	: 3.50	Syrup, USP VII.....D	...	: .30
Carboys, 100 lb. 1c/l wks.....D	.12	: .12 1/2	Imported, 5 gr. cases.....gross	5.15	: 5.25	Iodide, 1 lb. bot.....D	...	: 4.20
Bbls., 400 lb. 1c/l wks.....D	.11 1/2	: .13	Halazone, 5 lb. bot.....D	2.75	: 3.25	Syrup, USP 5 lb. bot.....D	.35	: .38
Second Hands.....D	...	: .11	Hexamethylenetetramine, USP			Nitrate, kgs.....D	.09	: .10
Fossil Flour.....D	...	: .04	100 lb. drums.....D	.75	: .77 1/2	Com'l, bbls.....100 lb	2.75	: 3.25
Formalin.....D	...	: .50	Imported.....D	.68	: .73	Oxalate scales 25 lb. cans.....D	.85	: .88
Fuller's Earth, 200 lb. bgs. c/l			Rubber Makers, Impalp. Pd.			Oxide red, Spanish.....D	.03 1/2	: .07 1/2
mines.....ton	15.00	: 17.00	Homatropine Hydrobrom. USP 1 oz.	.82 1/2	: .85	& Ammon. Oxalate 25 lb. bxs. D	.47	: .50
Imported, 230 lb. bags NY.....ton	35.00	: 40.00	vial.....oz	...	: 16.00	& Potassium Oxalate, 25 lb. bxs. D	.45	: .47
Fusel Oil, refined, 100 gal. dr. gal	...	: ...	Five ozs., 1 oz. vials.....oz	...	: 15.00	& Sodium Oxalate, 25 lb. bxs. D	.41	: .43
Crude, 100 gal. drum.....gal	...	: 4.50	Hydrastine Alk., USP, 1 oz. vial. oz	...	: 20.00	Phosphate, USP 25 lb. cans.....D	...	: .89
G SALT, paste 350 lb. bbls. basic			Hydchloride, USP, 1 oz. vial.....oz	...	: 20.00	Pyrophosphate, USP 25 lb		
100%.....D	.60	: .65	Sulfate, 1 oz. vial.....oz	...	: 22.00	cans.....D	.64	: .96

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Chemicals

JALAP RESIN, lump 5 lb tins...lb	3.25	3.35	Linalool, 5 lb bot.....lb	5.50	6.50	Manganese—(continued)		
Powd. tins.....lb	3.40	3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins...lb	2.85	
KIESELGUHR, 90 lb bags NY...ton	60.00	70.00	Lithium Carb. USP, 100 lb kgs...lb	1.50	1.60	Hypophos. USP VIII 5 lb cans...lb	1.65	
LANOLIN, see Adeps Lanae			Bromide, 100 lb cs.....lb	1.75	1.85	Iodide, 1 lb bot.....lb	6.40	
LEAD, metal c/l NY.....100 lb	7.00	7.25	Citrate, USP 100 lb kgs...lb	1.70	1.75	Ore, bulk NY.....unit	.40	.45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....lb		5.40	Sulfate, 600 lb casks NY.....lb	.10	.11
bbls. wks.....lb		.14	Lithopone, 400 lb bbls. 1c/l wks...lb		.07½	Marble Flour, bulk.....ton	10.00	12.00
100 to 250 lb kgs. wks...lb		.14½	Bbls. c/l wks.....lb		.07½	See also Calcium Carbonate		
White, broken, bbls. wks.100 lb		13.40	Bags, c/l wks.....lb		.07	MENTHOL, USP, 60 lb cases...lb	13.00	
White, gran., bbls. wks.100 lb		13.65	Imported, 400 lb bbls.....lb	.06	.06½	Less cases, 5 lb tins.....lb	13.50	
White, powd., bbls. wks...lb		.14½	Litmus Cubes.....lb	.90	1.00	MERCURY, metal 75 lb flask..flask	60.50	61.00
Kegs. wks.....lb		.15½	MAGNESITE, crude.....ton	15.00	15.00	Less Flasks, 5 lb jugs....lb	1.02	1.04
Brown, broken, bbls. wks...lb		.12½	Calcined, 500 lb bbls.....ton	55.00	55.00	Bichloride, cryat. 25 lb bxs...lb	1.17	1.02
USP, 100 lb kgs.....lb		.17	Magnesium mil., sticks 100 lb cs...lb	1.25	1.30	Gran. powd., 200 lb kgs...lb	1.02	1.02
Arsenate, 100 lb bbls. 1c/l wks...lb	.20	.25	Carb. tech. 70 lb bags NY...lb	.08	.08½	Bisulfate, 25 lb boxes.....lb	.86	.86
Bbls. c/l wks.....lb	.19½	.20	75 lb bbls. NY.....lb	.08½	.09	Blue Mass, 25 lb boxes.....lb	.62	.62
Paste, 600 lb bbls.....lb	.12	.13	USP, 60 lb bbls.....lb	.10	.11	Powdered, 25 lb boxes.....lb	.64	.64
Iodide, USP VIII 5 lb bot...lb	3.20	3.40	USP, blocks 100 lb cs. 1, 2, 4	.19	.23	Blue Ointment, USP 25 lb cans		.77
Nitrate, 500 lb bbls. wks...lb		.22	ozs.			50%.....lb	.57	.57
Oxide, litige, 500 lb bbls.100 lb	10.90	11.15	Chloride, fused 575 lb drs. c/l		34.00	USP, dilute 25 lb cans 30%...lb	.67	.67
100 lb kgs. wks.....lb		.14½	wks.....ton		36.00	33 1/3% Mercury.....lb	1.25	1.25
Oxide, red 500 lb bbls. wks...lb	11.40	11.65	Flaked, 350 lb drs. wks c/l ton		26.00	Calomel, 50 lb bxs.....lb	.50	.50
100 lb kgs. wks.....lb		.14½	Imp., fused 900 lb bbls NY...ton	26.00	26.00	Citrine Ointment 25 lb jars...lb	4.00	4.10
Peroxide, 100 lb drs.....lb		.26	Fluodilicate, crystals 400 lb bbls.		.15	Iodide, green 25 lb jars.....lb	4.10	4.00
White, basic carb. 500 lb bbls.		.09%	wks.....lb		.07	Red, USP 25 lb jars.....lb	1.38	1.48
Bbls. c/l wks.....100 lb		.09½	30% soln. 500 lb bbls. wks...lb	.07	.07½	Red Precip. USP 25 lb bxs...lb	1.49	1.54
100 lb kgs. wks.....lb		.14½	Soln. bbls. c/l wks.....lb		.06	Powder, USP 25 lb bxs...lb	.62	.62
White, sulfate 500 lb bbls. wks...lb		.09½	Glycerophosphate, 5 lb tins...lb	3.15	3.15	White Precip. USP 25 lb bxs...lb	.89	.90
Bbls. c/l wks.....100 lb		.025	Hypophosphite, 5 lb cans...lb	1.15	1.15	Powder, USP 25 lb bxs...lb	.89	.90
Licorice Ext. Mass, cases.....lb	.25	.26	Oxide, USP light 100 lb bbls...lb	.42	.50	With chalk, USP 25 lb bxs...lb		
Compound powder, bbls.....lb	.11	.13	USP, heavy 250 lb bbls...lb	2.15	2.25	Meta-Nitraniline.....lb	.78	.80
Powdered.....lb	.88	.40	Peroxide, 5 lb cans.....lb	2.15	2.25	Meta-Nitro-para-Toluidine, 300 lb		2.20
Sticks, 1 oz. 100 lb cases...lb	.45	.50	Perborate, 1 lb tins.....lb	2.25	.67	bbls.....lb		
LIME (Salts, see Calcium Salts)			Salicylate, 100 lb kgs.....lb		.67	Meta-Phenylenediamine, 300 lb	.95	.98
Live, 325 lb bbls. ton lots, wks...lb		.01½	Sulfate, see Epsom Salts			bbls.....lb	.89	.90
Single bbl. wks.....lb		.01½	Manganese Chloride, 600 lb csk		.10			
Hydrated, 167 lb bbl, ton lots,		.01½	NY.....lb	.09½	.24			
wks.....lb		.01½	Borate, 30%, 200 lb bbls...lb		.25			
Single bbl. wks.....lb		.01½	100 lb kgs.....lb		.25			
Oyster Shell, 150 lb bbl. single...lb		.03½	Dioxide, 80-84% 900 lb bbls.		80.00			
155 lb bag.....lb		.03½	NY.....ton	85.00	85.00			
Sulfur, dry 200 lb drs. NY...lb	.08	.10	85-90%, 900 lb bbls. NY...ton	85.00	90.00			
Drss. c/l NY.....lb		.10½	Hydrated, precip. 100 lb kgs...lb	.32	.35			
33° Soln. 50 gal. bbls. NY.gal	.15	.16						

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ACETATES

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Chemicals

METHANOL (Wood Alcohol)			NAPHTHALENE , Flake, 175 lb bbls.		PALLADIUM , metal 10 oz. lots..oz	75.00	76.00
95%, 50 gal. drms. ext....gal	.88	.90	wks. ....	.07	Pancreatin, USP 5 lb bot.....lb	1.25	1.40
97%, 50 gal. drms. ext....gal	.90	.92	Bbls. c/l wks. ....	.06 1/2	Papain, 10 lb bot. USP, Powd....lb	2.15	2.25
Pure, 50 gal. drms. ext....gal	...	1.00	Bbls., second hands NY.....lb	.07	Crude, 150 lb cases.....lb	1.85	1.90
Acetone free, 50 gal. drms. ext.gal	...	1.05	Balls, 250 lb bbls. wks.....lb	...	Paraffin, ref'd 200 lb cs. slabs		
Bbls. incl. 5c higher			Bbls. c/l wks. ....	.07 1/2	120-125 Deg. M. P.....lb	.03 1/2	.03 1/2
Methyl Acetone , 100 gal. drums.gal	1.17	1.20	Bbls., second hands NY.....lb	...	125-130 Deg. M. P.....lb	.04	.04 1/2
Tank cars ....	...	1.15	Crushed, chipped, bgs., wks....lb	.05 1/2	130-135 Deg. M. P.....lb	.04	.04 1/2
Chloride, 90 lb c/l.....lb	...	.50	Crude, imp., bags.....lb	.02 1/2	135-140 Deg. M. P.....lb	.05	.06 1/2
Sulfolate, USP, 50 lb cases....lb	...	.47	Nickel Metal , electrolytic 100 lb		Para-Aminoacetanilid , 100 lb		
500 lb drums.....lb	...	.45	kegs.....lb	.30	kegs.....lb	1.05	1.15
Second Hands.....lb	...	.44	Ingot, 100 lb kegs.....lb	.29	Para-Aminophenol , 100 lb kegs..lb	1.25	1.30
Methylene Blue , tech. 100 lb kgs.lb	1.00	1.50	Salt, single 400 lb bbls. NY..lb	.11	Hydrochloride, 100 lb kegs....lb	1.40	1.50
USP, medicinal 5 lb cans....lb	2.25	2.60	Double, 400 lb bbls. NY....lb	.10	Para-Dichlorobenzene , 50-300 lb bbls.		
Michler's Ketone , 225 lb bbls..lb	...	3.75	Oxide, 100 lb kegs NY.....lb	.40	wks. ....	.17	.20
Milk, powd. 150 lb bbls.....lb	.14	.15	Sulfate, 450 lb bbls.....lb	.06 1/2	25-50 lb kegs.....lb	.18	.22
Milk Sugar , see sugar of milk			Nitre Cake , bulk wks.....ton	5.50	Paraldehyde , 100 gal drs.....lb	...	.35
Mineral Oil , see oil mineral			500 lb bbls.....ton	13.00	Paraformaldehyde, USP 100 lb cs. lb	...	.50
Mineral Rubber.....ton	33.00	54.00	Nitrobenzene , crude, 1000 lb drs.		Para-Nitroacetanilid , 300 lb		
Monochlorobenzene , see chlorobenzene			wks. ....	.09	bbls. ....	.55	.60
Monomethylaniline , 900 lb drs....lb	...	1.00	Redistilled, 1000 lb drs. wks..lb	.09 1/2	PARA-NITROANILINE , 300 lb bbls.		
Monomethyl paraamidophenol sulfate			Nitronaphthalene, 550 lb bbls...lb	.20	wks. ton.....lb	.69	.74
100 lb drs.....lb	...	4.00	Nitrotoluene , mixed 1000 lb drs.		Para-Nitrochlorobenzene , 1200 lb drs.		
MORPHINE Sulfate , USP 5 oz. tins	...	6.35	wks. ....	.14	wks. ....	.21	.30
10 oz. ....	...	6.35	Ochre.....lb	...	Para-Nitro-ortho-Toluidine , 300 lb		
Acetate, 5 oz. tins 10 oz. lots.oz	...	6.35	Oil Fusel , see Fusel Oil		bbls.	2.75	2.85
Hydrobromide, 5 oz. tins 10 oz.	...	6.35	OIL MINERAL , wh. 50 gal. bbls.gal	1.00	Para-Nitrophenol , 185 lb bbls....lb	.75	.80
lots.....oz	...	6.35	Oil Mirbane , see nitrobenzene		Para-Nitrosodimethylaniline , 120 lb		
Hydchlide, 5 oz. tins 10 oz.	...	6.35	Optum , see crude drugs		bbls.	1.25	1.30
lots.....oz	...	6.35	Orange Mineral , 800 lb casks NY..lb	.15 1/2	Para-Nitrotoluene , 350 lb bbls..lb	.55	.60
Diacetyl Alk. , 1/2 oz. vls. 10	...	10.20	500 lb bbls. NY.....lb	.15 1/2	Para-oxo-Benzaldehyde , 100 lb		
oz.....oz	...	10.20	Ortho-Aminophenol , 50 lb kegs..lb	2.50	kegs.....lb	1.50	1.60
Hydchlide, 1/2 oz. vls. 10 oz.oz	...	9.25	Ortho-Anisidine , 100 lb drs....lb	...	Para-Phenetidin , 500 lb drs....lb	1.55	1.80
Ethyl Hydchlide , 1/2 oz. vls. 10	...	10.45	Ortho-Dichlorobenzene , 1000 lb drs.	.06	Para-Phenylenediamine , 350 lb		
oz.....oz	...	10.45	wks. ....	.06	bbls.	1.40	1.50
Small Sizes: 1/2 oz. vials, 50c extra;			Ortho-Nitrochlorobenzene , 1200 lb	.18	Para-Toluene-Sulfonamide , 175 lb		
1/4 25c extra; single oz. vls. 7c extra,			drs. wks. ....	.18	bbls. ....	.40	.41
over price for 5 oz. tins. 25 oz.			Ortho-Nitrophenol , 350 lb 3 bbls. lb	...	Para-Toluene-Sulfonchloride , 410 lb		
lots in 5 oz. tins, 10c oz. lower than			Ortho-Nitrotoluene , 1000 lb drs.	.10	bbls. wks. ....	.25	.30
above schedule. Less than 10 oz. lots			wks. ....	.13	Para-Toluidine , 350 lb bbls. wks. lb	.85	.90
15c oz. higher than above schedule.			Ortho-Toluidine , 350 lb bbls..lb	...			
Musk Ambrette , 1 lb cans.....lb	14.00	15.00	Oxgall, USP 5 lb bot.....lb	3.00			
NAPHTHA , Solvent, 110 gal. drs.							
wks.28					
8000 gal. tank cars wks. gal23					

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Chemicals

PARIS GREEN

Arsenic Basis, 500 lb kegs...	.26	.28
Kegs, 100 lbs...	.28	.30
Kits, 56, 28, 14 lbs...	.31	.33
Packages, 5 and 2 lbs...	.32	.33
Packages, 1 lb, 1/2, 3/4 lb...	.34	.38

Paris White, see whitening, French

Pepsin, USP 5 lb bot...	2.25	2.50
PETROLATUM, green 300 lb bbls...	.02 1/4	.03
Dark Amber 300 lb bbls...	.03 1/2	.04
Light Amber, 300 lb bbls...	.04 1/2	.05
Cream White, USP 300 lb bbls...	.07	.07 1/4
Lily White, USP, 300 lb bbls...	.09	.09 1/4
Snow White, USP, 300 lb bbls...	.12 1/2	.13

Phenol, see also acid carbolle

American makers, drums wks...	.26	.26
Open market, drs...	.25	.26
240 lb des drs. wks...	.26	.26
Natural 240 lb des drs. wks...	.26	.26
Imported, 336 lb des drs...	.26	.26
Phenolphthalein, USP, 100 lb drs...	1.40	1.50
5 lb cans, 100 lb lots...	1.50	1.60

Phenyl-Alpha-Naphthylamine 100 lb

kegs...	.26	.26
Phenylethylalcohol, 1 lb bot...	6.75	8.75
Imported...	7.75	9.75
Phosgene, 100 lb cylinders...	.26	1.00
Phosphorus Oxide, 175 lb cyl...	.35	.40

Phosphorus, red 110 lb cs. wks...	.75	.75
Imported, 112 lb cases...	.75	.75
Yellow, 110 lb cs. wks...	.35	.40
Imported, 112 lb cases...	.40	.40

Phosphorus Trichloride, 175 lb cyl...	.45	.45
Phthalic Anhydride, 100 lb bbls...	.25	.30

Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials...	.75	.75
Nitrate...	.75	.75
Single eunes...	.75	.75
Alkaloid, 16 gr. vls...	.85	.85

Piperazine Hydrate, 1 lb bot...	16.00	16.00
Pitch, Coal-Tar, wks...	30.00	33.00
Plaster Paris, tech. 250 lb bbls...	3.30	3.30
True Dental, 300 bbls...	4.50	4.50
Platinum, metal soft 10 oz. lots...	125.00	125.00
Podephylin, 5 lb bot...	6.00	6.25
Second Hands...	5.50	5.75

POTASH, CAUSTIC, solid 88-92% 700 lb drs. wks...	.30	.30
Imp., 88-92% 700 lb drs. NY...	.07	.07 1/4
USP, by alcohol 5 lb cans...	.46	.48
cases...	.30	.35

POTASSIUM Acetate, USP, 100 lb kegs...	.30	.31
Bicarbonate, crys. 220 lb bbls...	.11	.12
wks...	.09 1/2	.09 1/2

Bichromate, crys. 900 lb casks	.12	.12
Powd., 900 lb casks wks...	.32	.34
Binoxalate, 300 lb bbls...	.30	.30

Bisulfate, C.P., 5 lb cans...	.22	.22
100 lb kegs...	.45	.45
Bromate, 100 lb cs...	.26	.26

BROMIDE, USP cryst. 450 lb bbls...	.26	.26
Granular, 300 lb bbls...	.27	.27
Cases 100 lb...	.16	.17

Imported, USP, 220 lb cs...	.06	.06 1/2
CARBONATE, 80-85% calc. 800 lb cks...	.06	.06 1/2

hydrated, 800 lb cks...	.06 1/2	.06 1/2
80-95% calc. casks...	.06 1/2	.06 1/2
90-95% calc. casks...	.06 1/2	.06 1/2
96-98% calc. casks...	.08 1/2	.08 1/2
98% calc. casks...	.11	.12
USP, 100 lb kegs...	.13 1/2	.14
99% CP casks...	.13 1/2	.14

POTASSIUM—(Continued)

Chlorate, crys. 112 lb kgs. c/1 wks...	.08 1/2	.08 1/2
Imp. 112 lb kegs NY...	.08	.08
Powd., 112 lb kegs wks...	.08 1/2	.09
Imp., kegs NY...	.07 1/2	.07 1/2
Pyrotechnic, fine powd. NY...	.08	.09

USP, fine crys. 110 lb kegs NY...	.08	.09
Citrate, USP 10 lb cans...	.63	.66
Cyanide 110 lb cases...	.65	.65

Glycerophosphate, 75% Soln. 25 lb tins...	1.60	1.70
Gualacol Sulfonate, 5 lb cans...	1.75	2.00

10 lb...	.80	.85
Hypophosphite, 10 lb cans...	3.75	3.85
Iodide, USP, 100 lb cases...	.36	.36

Second Hands, cases...	.90	.90
Lactophosphate, 4 oz bot...	.23	.23
Metabisulfite, 300 lb bbls...	.12 1/2	.14

Imp., 300 lb bbls...	.68	.68
Muriate, 80%, 200 lb bags, NY K ₂ O unit...	.40	.45

Nitrate, see Saltpetre	.09	.10
Oxalate, neutral, 100 lb kegs...	.17	.17 1/2

Perchlorate, 112 lb kegs...	.16	.16 1/2
PERMANGAN, USP, crys. 500 lb drs., wks...	.25	.26

Imp. 112 lb drs...	.25	.26
Prussiate, red, 100 lb bbls...	.75	.75
500 lb casks...	.94	.18

Prussiate, yellow, 500 lb casks...	.15	.18
Salicylate, 25 lb cans...	.50	.53
Sulfate, 200 lb bags, NY K ₂ O unit	.28	.30

USP, VIII, 100 lb kegs...	.28	.30
Sulfocyanide, CP 25 lb jars...	.28	.30
Tartrate, neutral, 100 lb kegs...	.28	.30
Titanium Oxalate 200 lb bbls...	.28	.30

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is the Product by which all other Brands may be Standardized.

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THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04 1/4 : .08	QUININE—(continued)		Santonin USP, 1 lb bot. lb	150.00	158.00
Lump, bags lb	.03 1/4 : .05	Tartrate lb	.88	Powd. 1 lb bot. lb	...	...
Powdered, 350 lb bbls. lb	.02 1/4 : .03	Valerate lb	.89	Saponin, ex Quillaja, 5 lb tins. lb	1.00	1.25
Pyridine, 50 gal. drums. gal	4.75 : 5.00	Small Sizes: 1 oz vials or cans, 50oz. lots, 5c oz extra; 50oz cans, 50oz lots 8c oz extra; 25oz cans, 50oz lots, 2c oz extra; single 1oz vials or cans, 5c extra. All minor quinone salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz lots in 100oz cans. Smaller orders or containers extra as above schedule.		Satin White, 500 lb bbls. lb	...	.01 1/2
QUICKSILVER, see Mercury				Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Quinidine Alk., 100oz tins. oz	...			Scopolamine, see hyoscyne.		
Sulfate, 100oz tins. oz	...			Selditz Mixture, 225 lb bbls. lb	.17	.18
Quinoidine, see Chinoidin				SILICA		
QUININE SULFATE, USP,				Crude, bulk, mines. ton	10.00	12.00
American, 100oz tins. oz	...			Refined, floated, bags. ton	18.00	20.00
1oz tins, 100oz lots. oz	...			Air floated, bags. ton	32.00	50.00
Dutch, 100oz tins. oz	...			Extra, floated, bags. ton	55.00	65.00
Java, 100oz tins. oz	...			SILVER, metal, American. oz	...	.99 1/2
Japanese, 100oz tins. oz	...			Foreign. oz	...	.64 1/2
QUININE ALK., USP., 100oz tins. oz	...			Colloidal, 16oz bot. oz	...	2.80
Acetate oz	.67			Silver Iodide, 16oz bot. oz	...	.68
Arsenate oz	.88			Nitrate, USP, 200oz bot. oz	.43	.45
Benzoate oz	.88			Nucleinate, 16oz bot. oz	.34	.38
Bisulfate, USP oz	.50			Proteinates, 16oz bot. oz	.34	.38
Citrate oz	.62			Soap, Castile, 40 lb bxs. lb	.20	.25
Dihydride, USP oz	.66			Powd. USP, 250 lb bbls. lb	.28	.29
Dihydrobromide oz	.66			Green, USP, 150 lb kegs. lb	.07	.07 1/2
Dicarbonate, 10oz tins. oz	2.50			Soapstone, see Talc, crude		
Ethyl Carbonate, 16oz. tins. oz	.95			SODA ASH, 58% light bgs NY		
Ferrocyanide oz	.88			nat. ex-warehouse. 100 lb	...	1.94
Formate oz	.85			Bbls., ex-warehouse. 100 lb	...	2.19
Glycerophosphate oz	.88			Contract, Basis 58% bags c/l	...	1.38
Hydriodide oz	.88			wks. 100 lb	...	1.48
Hydrobromide, USP oz	.62			Prompt and spot, Basis 58% bags c/l wks. 100 lb	...	2.01
Hydrochloride, USP oz	.62			Soda Ash, 58% dense, bags ex-warehouse, NY. 100 lb	...	2.25
Hydrochlorosulfate oz	.66			Bbls., ex-warehouse. 100 lb	...	1.45
Hypophosphite oz	.78			Contract, Basis 58% bags c/l	...	1.55
Lactate oz	.88			wks. 100 lb	...	1.55
Phenolmulfonate oz	.74			Pmt. and spot, Basis 58% bags c/l wks. 100 lb	...	1.55
Phosphate oz	.63			Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.		
Salicylate, USP oz	.45			SODA, CAUSTIC, 76% solid, rosale, NY nat. 100 lb	3.30	3.50
Tannate, USP oz	...			76% solid drs. ex-warehouse NY. 100 lb	...	3.66



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36%

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Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda



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Chemicals

SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks.	100 lb	...	3.10
Pmpt and spot, Baals 76% c/l wks.	100 lb	...	3.20
Contract 74% low grade c/l wks. flat	100 lb	...	3.02
Ground & base, 76% pmpt and pot, wks c/l drs.	100 lb	...	3.60
Contract, 76% drums, c/l wks flat	100 lb	...	3.50
76% dra. ex-warehouse NY 100 lb	...	...	4.06
USP, stick, 10 lb cans	...	...	.19
Pure, stick, by alcohol	...	...	.25
SODIUM ACETATE, crys 450 lb bbls wks.	...	...	.05
Ton lots, bbls, wks.	...	...	.05
Imp. 500 lb casks	...	...	.06 1/2
Aluminum Sulfate, see alum soda.	...	...
Benzonate, USP, 100 lb bags	...	...	.65
Bicarbonate, 400 lb bbls NY 100 lb	...	...	2.25
Bbls, c/l wks	...	...	2.00
112 lb kegs wks	...	...	2.25
112 lb kegs, NY	...	...	2.50
Bichromate, 600 lb casks wks	...	...	.08
Casks, c/l wks	...	...	.07 1/2
Casks, NY	...	...	.07 1/2
Bisulfite, dry powder, 500 lb bbls, wks.	...	...	.04 1/2
Solution, 32-40°, 500 lb bbls wks.	...	...	1.25
Bromate, 100 lb cs	...	...	.95
Bromide, USP, 450 lb bbls	...	...	.24
Cases, 100 lb	...	...	.85
Imp. USP, 112 lb cs	...	...	.18
Carodylate, USP, 5 lb bot.	...	...	5.50
25 lb	...	...	5.75
Carbonate, sal soda, 350 lb bbls	...	...	1.30
lc/l NY	...	...	1.35
Works c/l	...	...	1.10
Monehydrate, 400 lb bbl, lc/l	...	...	2.45
Pure photographic, 100 lb keg	...	...	.08

SODIUM—(Continued)

Chlorate, 112 lb kegs, wks.	...	...	.06 1/4
Imported, 112 lb kegs	...	...	.06 1/2
Chloride, tech. 200 lb bags	...	...	12.00
C. P. 300 lb bbls	...	...	.05
Citrate, USP, IX, 100 lb kegs	...	...	.62
USP, VIII, 100 lb kegs	...	...	.55
Cyanide, 96-98%, 100 lb cases wks.	...	...	.23
Ton lots, wks	...	...	.23
73-76%, 100 lb cases, wks	...	...	.20 1/4
125-128%, 200 lb cs	...	...	.20
120-125%, 200 lb cs	...	...	.19 1/2
Fluoride, 350 lb bbls, NY imp.	...	...	.09
Glycerophos, USP, crys 25 lb cans	...	...	1.65
Powder, 25 lb tins	...	...	1.70
Solution, USP 25 lb tins	...	...	1.00
Hypochlorite, see Soda Caustic	...	...
14 1/2% soln., 50 lb chys	...	...	.04
Hydrosulite, 200 lb bbls, 70 lb wks	...	...	.19
Hypophosphite, USP, 25 lb cans	...	...	.70
HYPOSULFITE, tech. pea crys., 375 lb bbls, wks.	...	...	2.90
Bbls, c/l wks	...	...	2.75
100 lb kegs wks	...	...	3.00
Granulated, bbls, wks	...	...	3.15
Bbls, c/l wks	...	...	3.00
Kegs wks	...	...	3.25
Regular crystals	...	...	2.65
Iodide, USP, 25 lb jars	...	...	4.25
Metanilate, 150 lb bbls	...	...	.55
Naphthionate, 300 lb bbls	...	...	.60
Nitrate, crude, 95%, 200 lb bgs, c/l NY	...	...	2.42 1/2
Futures, NY	...	...	2.42 1/2
Double Refined, 400 lb bbls gran, c/l wks	...	...	.04 1/4
Nitrite, 500 lb bbls, wks	...	...	.07 1/4
Bbls, spot, makers	...	...	.07 1/4
Imp. 650 lb casks	...	...	.07 1/4

SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo-	...	...	.25
rate, 175 lb bbls, wks.	...	...	.40
Oxalate, neutral, 100 lb kegs	...	...	.22
Perborate, 275 lb bbls	...	...	.18
Imp., 225 lb drs.	...	...	.25
Peroxide, 200 lb cases	...	...	.03 1/2
Phosphate, di-sodium, tech 550 lb bbls.	...	...	.07 1/2
USP, gran. 275 bbls	...	...	.05 1/2
Imp. gran.	...	...	.10
USP, recrys. 275 bbls	...	...	.24
Mono-sodium 100 lb kegs	...	...	.04 1/4
Tri-sodium tech. c/l, bbls	...	...	.60
Pieramate, 100 lb kegs	...	...	.08
Para-Toluene Sulfonate, 175 lb bbls.	...	...	.13 1/2
PRUSSIAN, yellow, 250 lb bbls	...	...	.11 1/2
Imp. 450 lb cks.	...	...	.18
Pyrophosphate, 100 lb kegs	...	...	.37
Sallylate, 100 lb kegs	...	...	2.00
Second Hand, USP, kegs	...	...	1.90
Silicate, 60° 700 lb bbls, f.a.s. NY	...	...	1.75
Works, 1000 lb drums	...	...	.80
Works, tanks	...	...	.82 1/2
40° domestic, 700 lb c/l f.o.b. wks.	...	...	.75
Works, 1000 lb drums	...	...	1.30
Works, tanks	...	...	.07 1/4
Spot, drums, bbls	...	...	.04 1/2
Silicofluoride, 450 lb bbls, NY, lb Sulphate, see Glauber's Salt.	...	...	.03 1/2
Sulfate, Anhydrous, 550 lb bbls, c/l	...	...	.04 1/2
Sulfide, 60% solid, 650 lb drs. lc/l wks.	...	...	.03 1/4
Drs. c/l wks.	...	...	.03
Imp. 700 lb drs. NY	...	...	.04 1/2
60% broken, 650 lb drs wks	...	...	.03 1/2
Imp., 500 lb drs. NY	...	...	.02
30% crys. 400 lb bbls, wks	...	...	.02 1/4
Imp., 400 lb bbls	...	...	.03 1/2
Sulfite, crys. 400 lb bbls, wks09 1/2
Desiccated, 400 lb bbls10
10c higher per oz.	

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52 Vanderbilt Avenue, New York, N. Y.

Plants: Carteret, N. J.

Chemicals

SODIUM—(Continued)

Sulfocarbonate, USP, 100 lb kegs .....	.37	: .39
Sulfocyanide, 400 lb bbls....	.45	: .47
Tungstate, crys, 100 lb kegs....	...	: .55
Desiccated, kegs .....	...	: .65
Solvent Naphtha, see Naphtha		
Spartein Sulfate, USP, 25oz bulk.oz	.60	: .70
Single oz. vial.....oz	...	: .77
Starch, rice, 140 lb bags.....lb	.09	: .10
STRONTIUM Bromide, USP, 100 lb kegs .....	...	: .33
Carb, 600 lb bbls. wks.....lb	...	: .07
100 lb kegs wks.....lb	...	: .08
Iodide, USP, 25 lb jars.....lb	...	: 4.00
Nitrate, 600 lb bbls, wks.....lb	...	: .11½
Imp., bbls, NY.....lb	...	: .12
Salicylate, USP, 100 lb kegs....	.65	: .70
STRYCHNINE Alkaloid, USP, crys, 100oz tins .....	...	: .95
Alk. powd., USP.....oz	...	: .85
Acetate	1.05	: 1.05
Glycerophosphate, USP	1.05	: 1.05
Hydrobromide	1.05	: 1.05
Hydrochloride	1.05	: 1.05
Hypophosphite	1.15	: 1.15
Nitrate, USP	1.05	: 1.05
Phosphate	1.05	: 1.05
Sulfate, USP, crys. powd.....oz	...	: .68
Saccharinate	2.15	: 2.15
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes: ¼oz vials, 50c extra; ½oz vials, 25c extra; single ounce vials. 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk USP, 200 lb bbls....lb	.21	: .22
Second Hands, USP, bbls.....lb	.21	: .22
Sulfonal, see Sulfonmethane		
Sulfonethylnmethane, USP, 5 lb bxs....	3.50	: 3.70
Sulfonmethane, USP, 5 lb bxs....lb	2.40	: 2.60

SULFUR, crude, bulk, c/l NY.....ton	19.00	: 19.00
Crude, f.o.b. mines.....ton	14.00	: 15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	: 1.95
Less c/l bags NY.....100 lb	1.85	: 2.10
Roll, 500 lb bbls, c/l NY.....100 lb	...	: 2.15
Less c/l bags NY.....100 lb	2.20	: 2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Rubbermakers 100%, 240 lb	...	: 3.15
bbls. NY.....100 lb	2.60	: 3.15
Commercial, 99%, 150 lb bgs. NY.....100 lb	1.35	: 1.65
For Dusting, 99%, 100 lb bgs. NY.....100 lb	2.00	: 2.50
Flowers, 100%, 240 lb bbls. NY.....100 lb	3.00	: 3.55
Precipitated, 125 lb bbls NY.....lb	.14	: .16
Lac, 125 lb bbls NY.....lb	.07	: .10
Sulfur Chloride, red, 700 lb drs. wks.....lb	.06	: .07
150 lb chys. wks.....lb	...	: .08
Yellow, 700 lb drs. wks.....lb	.05	: .06
150 lb chys. wks.....lb	...	: .07
Sulfur Dioxide, 100 lb cyl.....lb	.08	: .08½
Iodide USP, VIII, 5 lb bot....lb	...	: 4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs....lb	...	: .70
TALC, Italian, 220 lb bags NY.....ton	35.00	: 40.00
Refined white, bags.....ton	42.00	: 55.00
French, 220 lb bags NY.....ton	25.00	: 30.00
Refined, white, bags.....ton	32.00	: 45.00
Dom., crude, 100 lb bags NY.....ton	10.00	: 15.00
Refined, 100 lb bags NY.....ton	18.00	: 25.00
Tartar Emetic, tech. 700 lb bbls....lb	.25	: .36
USP, 300 lb bbls.....lb	...	: .34½
Terpin Hydrate, USP, 100 lb kegs....lb	.60	: .62
Terpineol, CP 1000 lb drums....lb	.54	: .55
Cans, 50 lb .....	.58	: .60
Imported, cans, 25 lb .....	.95	: 1.20
Terpenyl Acetate, 25 lb cans.....lb	1.65	: 1.85
Terra Alba, No. 1, 300 lb bbls....100 lb	1.85	: 1.90
No. 2, bbls.....100 lb	1.35	: 1.35
Theobromine Alk., 5 lb cans.....lb	...	: 5.75
and Sod. Salicylate, 1 lb bot....lb	...	: 3.50

Thiocarbamid, 170 lb bbls.....lb	.28	: .30
Thymol, USP, 25 lb tins.....lb	3.00	: 3.25
Iodide, 5 lb boxes.....lb	6.75	: 7.00
TIN, Metal Straits, NY.....100 lb	...	: 47.12
American standard, NY.....100 lb	...	: 47.00
99% American, NY.....100 lb	...	: 46.50
Bichloride, 50% soln. 100 lb bbls. wks. ....lb	...	: .13½
Crystals, 500 lb bbls. wks.....lb	...	: .34½
100 lb kegs, wks.....lb	...	: .35
Oxide, 400 lb bbls, wks.....lb	...	: .49
100 lb kegs wks.....lb	...	: .51
Tetrachloride, 1000 lb drs. wks. lb	...	: .29
Tolidine, 350 lb bbls.....lb	1.00	: 1.10
Sulfate, 350 lb bbls.....lb	...	: 1.10
Toluene, 8000 gal tank cars, wks.gal	.23	: .24
110 gal drs. wks.....gal	.28	: .30
Toluidine, Mixed, 900 lb drs. wks. lb	.31	: .32
Triphenol, 100 lb cases.....lb	...	: 1.00
Trional, see Sulfonethylnmethane		
Triphenylguanidine .....	...	: .80
Triphenyl Phosphate, 450 lb bbls....lb	.50	: .60
Tripoli, 500 lb bbls.....100 lb	2.50	: 3.00
Tungsten NY.....W02 unit	8.25	: 10.00
Ultramarine Blue .....	...	: .18
UREA, pharm. 112 lb cases.....lb	...	: .30
VANILLIN, USP, 400oz cans.....oz	.50	: .50½
Cans, 80 oz.....oz	...	: .50½
Cans, 16 ozs.....lb	...	: .51½
Venetian Red .....	...	: .05
Verdigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs....lb	...	: .35
English, kegs .....	...	: 1.30
Veratrine Sulfate, 1oz vial.....oz	...	: 2.00
Hydrochloride, 1oz vial.....oz	...	: 2.00
Veronal, see Acid Diethylbarbituric		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/l wks,ton	14.00	: 16.00
Bags, 1c/l NY.....ton	...	: 22.50
Gilders, bags, NY.....ton	13.50	: 15.00
French, bags, NY.....ton	...	: 18.00
English, bags, NY.....ton	...	: 23.00
Witch Hazel Extract, 50 gal. bbls.gal	1.20	: 1.35

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Chemicals

XYLENE, 3° dist. range, nitration	...	: .50
110gal. drs. NY.....gal	50	: .55
5° dist. range, 8000gal tanks		
wks.....gal	...	: .40
110gal. drs. wks.....gal	...	: .45
10° dist. range, tanks.....gal	...	: .35
Commercial, 110 gal drs., wks.gal	...	: .34
Tanks, wks.....gal	...	: .29
Xylidine, 900 lb drs.....lb	...	: .50
VARA VARA, 1 lb tins.....lb	1.75	: 2.00
Yohimbin Hydrochloride, 1 oz. vial. oz	7.25	: 7.50
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb	...	: 8.50
Common Slabs, c/l NY.....100 lb	6.70	: 6.75
Mossy, 25 lb bxs NY.....lb	...	: .16
Ammonium Chloride, powd., 400 lb		
bbls.....lb	...	: .07½
Carb. tech. 150 lb kegs NY.....lb	...	: .18
USP, 100 lb kegs.....lb	...	: .30
Chloride, fused, 600 lb drs.wks.lb	...	: .08
Drs. c/l wks.....lb	...	: .04½
Imp. drs. NY.....lb	...	: .05
Granulated, 500 lb bbls.wks.lb	...	: .08
Imported, drs. NY.....lb	...	: .06½
USP, 25 lb jars.....lb	...	: .20
Cyanide, 100 lb drs.....lb	...	: .42
Dust, 100 lb tins wks.....lb	...	: .09½
500 lb bbls, kegs, c/l wks.....lb	...	: .0½
500 lb bbls, kegs, c/l wks.....lb	...	: .08½
Iodide, 5 lb bbls.....lb	...	: 5.20
Nitrate 25 lb jars.....lb	...	: .35
Oxide, Amer. 300 lb bbls, wks.....lb	...	: .08½
Bbls. c/l wks.....lb	...	: .08½
French, 300 lb bbls wks.....lb	...	: .10½
Bbl c/l wks.....lb	...	: .10
Bags, c/l wks.....lb	...	: .09½
USP, 100 lb bbls. c/l.....lb	...	: .16
Ten lots, wks.....lb	...	: .17
Imported, white seal, bbls.....lb	...	: .12½
Green seal, bbls.....lb	...	: .10
USP, 100 lb bbls.....lb	...	: .15
Stearate, USP, 50 lb bbls.....lb	...	: .22
Sulfate, 400 lb bbls, wks.....lb	...	: .03½
Bbls. c/l wks.....lb	...	: .02½
USP, 100 lb kegs.....lb	...	: .08
Sulfocarbonate, 100 lb kegs.....lb	...	: .32

Oils

Castor, No. 1, 400 lb bbls.....lb	.14½	: .15
80 lb cases.....lb	...	: .16
No. 3, bbls.....lb	...	: .14
Blown, 400 lb bbls.....lb	...	: .16
China Wood, bbls, spot NY.....lb	.21½	: .21½
8000 gal. tks. NY.....lb	...	: .21
Dec., Jan., forward, bbls.China.lb	...	: .21½
Coast, tanks, Dec. forward.....lb	.20½	: .20½
Coconut Ceylon, 375 lb bbls, NY. lb	.10	: .10½
8000 gal. tanks, NY.....lb	.08½	: .08½
Cochin, 375 lb bbls, NY.....lb	.10½	: .11
Tanks, NY.....lb	.09½	: .09½
Manila, tanks, P. Coast.....lb	.08½	: .08½
Edible, bbls, NY.....lb	.11	: .11½
Cod Newfoundland, 50 gal. bbls.gal	.70	: .72
Tanks, NY.....gal	...	: ...
Copra, bags.....lb	...	: .05½
Corn, ref. 375 lb bbls, NY.....lb	...	: .13
Crude, tanks mills.....lb	...	: .10
Bbls, NY.....lb	...	: .11½
Cottonseed, crude tks. mills.....lb	.09½	: .09½
P. S. Y., 100 bbl. lots NY.....lb	.10½	: .12
White, 100 bbl. lots NY.....lb	.13½	: .14
Winter yellow, 100 bbls, NY.....lb	...	: .13½
Degras, Amer. 50 gal. bbls, NY. lb	.04½	: .05½
English, bbls, NY.....lb	...	: .05
Neutral, bbls, NY.....lb	.11	: .14
Greases, choice white, bbls, NY. lb	...	: .10½
Yellow.....lb	...	: .06½
Brown.....lb	...	: .06½
House.....lb	...	: .06½
Bone naphtha.....lb	...	: .06½
Herring, Tanks, Coast.....gal	...	: ...
Horse, 375 lb bbls, NY.....lb	...	: .10
Lard, prime steam bbls.....lb	...	: .14
Compound, bbls.....lb	.13½	: .14

LARD OIL, Edible prime, bbls... lb	...	: .16%
Off prime, bbls.....lb	...	: .13%
Extra, bbls.....lb	...	: .13%
Extra No. 1, bbls.....lb	...	: .11
No. 1 bbls.....lb	...	: .10½
No. 2 bbls.....lb	...	: .10
LINSEED, raw c/l bbls, spot...gal	...	: .92
Five bbls, raw.....gal	...	: .95
Boiled, 5 bbl. lots.....gal	...	: .97
Double boiled 5 bbl. lots.....gal	...	: .98
Raw, lc/l bbls.....gal	...	: .95
Tanks.....gal	...	: .86
Dec.....gal	...	: .92
Jan., c/l bbls.....gal	...	: .91
Feb., Apr., c/l bbls.....gal	...	: .90
Imported, bbls, NY.....gal	...	: ...
Tanks, NY.....gal	...	: ...
Menhaden, crude, bbls, wks.....lb	...	: ...
Crude, tanks.....gal	...	: .50
Light strained, tanks.....gal	...	: .65
Light strained, bbls, NY.....gal	...	: .68
Yellow bleached, bbls, NY.....gal	...	: .71
Extra bleached, bbls, NY.....gal	...	: .73
Blown, bbls, NY.....gal	...	: .78
Neatsfoot, 20° c.t. bbls, NY.....lb	...	: .17
Extra, bbls, NY.....lb	...	: .11
Pure, bbls, NY.....lb	...	: .14½
Oleo Oil, No. 1, bbls, NY.....lb	...	: .15½
No. 2, bbls, NY.....lb	...	: .11½
No. 3, bbls, NY.....lb	...	: .10½
OLIVE, denatured bbls, NY.....gal	1.10	: 1.15
Edible, bbls, NY.....gal	1.70	: 2.00
Foots, bbls, NY.....lb	...	: .08%
Shipment.....lb	...	: .08%
Palm Lagos, 1500 lb casks.....lb	...	: .07½
Niger casks.....lb	...	: .07½
Bonny old Calabar, casks.....lb	...	: ...
Palm Kernel, 1500 lb casks NY. lb	...	: .09½
Peanut, refined bbls, NY.....lb	...	: .16
Crude, mills buyers' tks.....lb	...	: .10½
Crude, bbls, NY.....lb	...	: ...
Perilla, bbls, NY.....lb	...	: .14½
Poppyseed, bbls, NY.....gal	2.25	: 2.50

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Rapeseed, refined bbls. NY.....gal	.76	: .77
Blown, bbls., NY.....gal	.93	: .95
Red Oil, distilled, bbls.....lb	...	: .09½
Saponified, bbls.....lb	...	: .09½
Tanks.....lb	...	: .08½
Salmon, 8000 gal. tks. Coast...gal	...	: ...
Sesame, domestic edible bbls.....lb	.12½	: .13
Sod Oil, bbls. NY.....gal	...	: .45
SOYA BEAN, crude tks. Coast...lb	.09½	: .10
Crude, Tks. D.P., NY.....lb	...	: .10½
Crude, bbls. NY.....lb	.11	: .11½
Sperm, 38° c.t. blch. bbls. NY.gal	...	: .94
45° cold test, blchd. bbls. NY.gal	...	: .89
STEARIC ACID, s.p. 200 lb bags. lb	.12½	: .13½
Double pressed, bags.....lb	.13	: .13½
Double pressed, bgs., saponified. lb	.13	: .13½
Triple pressed, bgs., distilled...lb	.14½	: .14½
Triple pressed, bgs., saponified...lb	.14½	: .14½
Stearine, oleo, bbls.....lb	...	: .11
Lard, bbls.....lb	...	: .15
Tallow, edible, tierces.....lb	...	: .10½
City, extra, loose.....lb	.08	: .08½
Tallow Oil, acidless tks. NY.....lb	...	: .10½
Bbls., c/1 NY.....lb	...	: .11½
Walnut, crude bbls. NY.....lb	...	: ...
Whale, nat. winter bbls. NY.....gal	...	: .77
Blchd. winter bbls. NY.....gal	...	: .79
Extra Blchd. bbls. NY.....gal	...	: .81
Crude, No. 1, tanks Coast...gal	...	: ...
Crude, No. 2, tanks Coast...gal	...	: ...
Crude, No. 3, tanks Coast...gal	...	: ...

Fertilizer Materials

Ammon. Sulf., bulk wks....100 lb	3.00	: 3.10
Double, bgs. f.a.s. NY....100 lb	3.00	: 3.40
Single bags, wks....100 lb	3.05	: 3.10
Blood, dried f.a.b. NY.....unit	...	: 4.00
Bone, 3 & 50 ground steamed...ton	25.00	: 28.00
Raw, Chicago.....ton	...	: 30.00

Cyanamide wks.....unit	2.20	: 2.25
Fish Scrap, dried wks.....unit	4.20	: 4.10
Acid, Bulk, 7 & 3½, wks.....unit	...	: ...
NITRATE SODA, NY.....100 lb	2.42½	: 2.45
Phosphate Rock, f.o.b. mines, Florida pebble, 68-75%.....ton	3.25	: 4.50
Tennessee, 72%.....ton	...	: 5.50
Phosphate Acid, 16% Bulk wks.....ton	8.00	: 8.50
Potassium Murate, 80%.....unit	...	: .68
Sulfate.....unit	...	: .93
Steamed Bone Meal, NY.....ton	32.00	: 35.00
Tankage, ground, NY.....unit	3.65	: 4.10
High grade f.o.b. Chicago...unit	3.50	: 4.10

Naval Stores

(Carlond's ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	...	: .94
Wood Turpentine, stm. distd. bbls.gal	...	: .84
Destructive distilled, bbls.....gal	...	: .68
Pine Oil, stm. dist'd, bbls.....gal	...	: .62
Pitch, prime.....bbl	...	: 6.50
Resins, (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	: 5.60
D.....280 lb	...	: 5.60
E.....280 lb	...	: 5.60
F.....280 lb	...	: 5.60
G.....280 lb	...	: 5.60
H.....280 lb	...	: 5.60
I.....280 lb	...	: 5.60
K.....280 lb	...	: 5.65
M.....280 lb	...	: 5.65
N.....280 lb	6.10	: 6.15
WG.....280 lb	6.25	: 6.50
WW.....280 lb	6.75	: 7.00

Rosin Oil, first run, 50 gal. bbls.gal	...	: .43
Second run, bbls.....gal	...	: .47
Tar, kiln-burnt.....bbl	...	: 11.00
Retort.....bbl	...	: 10.75

Woods

Barwood, chips.....lb	.04½	: .05
Camwood, chips.....lb	.09	: .13
Divi Divi, pods 100-200 lb bags. ton	40.00	: 42.00
Fustic, sticks.....ton	30.00	: 35.00
Chips.....lb	.04	: .05
Hemlock, bark.....ton	...	: 20.00
Hyperic, chips.....lb	.06½	: .07
LOGWOOD, sticks.....ton	28.00	: 30.00
Chips 150 lb bags.....lb	.02½	: .03
Mangrove bark, African.....ton	34.00	: 36.00
Bark, South American.....ton	25.00	: 30.00
Myrobalans, 150 lb bags J1.....ton	...	: 33.00
B1.....ton	...	: 35.00
J2.....ton	...	: 37.00
Nutgalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	78.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	78.00	: 80.00
Virginia, 150 lb bags.....ton	...	: 35.00
Valonia Cups, 25-33% tan...ton	36.00	: 38.00
Beard, 40% tan, 150 lb bgs. ton	50.00	: 53.00
Wattle bark, 150 lb bags.....ton	...	: 35.00

Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.35	: .39
Archil, double 600 lb bbls.....lb	.16	: .18
Triple, 600 lb bbls.....lb	.17	: .19
Coac, 600 lb bbls.....lb	.18	: .20

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Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. D	.02	: .02%	Orange Orange, 51° liquid..... D	.07	: .08	Crude Drugs	Aceroides Gum, yel. D	.18	: .20	
Bbls., wks. D	.02%	: .02%	Powd. 100 D bags..... D	.14	: .15		ACONITE Leaves, bales..... D	.25	: .27	
Powd., 60% 100 D bbls. wks. D	.05%	: .05	Persian Berries D	.27	: .30		Aconite Root, USP, bags..... D	...	: .50	
Decolorized, bbls, wks..... D	.08	: .09	QUEBRACHO, 35% liquid tka. D	.03	: .03%		Agar Agar, 1, 200 D bales..... D	1.65	: 1.70	
Cudbear, English D	.21	: .23	450 D bbls. D	.03%	: .04		No. 2, bales D	1.60	: 1.65	
Cutch, Rangoon, 100 D bales..... D	.13	: .16	35% bleaching, 450 D bbls. D	.04%	: .05%		No. 3, bales D	1.50	: 1.60	
Borneo, solid, 100 D bales..... D	.04%	: .05%	Solid 65% 100 D bales..... D	.05	: .05%		Agaric, white, cases..... D	...	: 4.25	
Liquid, 450 D bbls..... D	.10	: .11	Clarified bales D	...	: .06		Almonds, bitter bags bxs..... D	.32	: .35	
Tablets, 120 D boxes..... D	.13	: .14	Quercitron, 51° 450 D bbls. D	.06%	: .07%		Sweet, bags D	.45	: .48	
Flavine D	.90	: .95	Powdered, 100 D boxes..... D	.09	: .13		Meal, tins, boxes D	.28	: .30	
Fustic, solid 50 D boxes..... D	.14	: .18	Spruce, 25% liquid tanks wks. D	.01	: .01%		Aletris Root, bags D	.60	: .62	
Crystals, 100 D boxes..... D	.22	: .24	Powd. 50% 100 D bags wks. D	.02	: .02%		Alkanet Root, bags D	.07	: .08	
Liquid, 51°, 600 D bbls..... D	.10	: .14	Sumac, liquid 450 D bbls..... D	.07	: .09		Aloes, Barbadoes, 120 D bbls... D	.65	: .70	
Gall extract D	.16	: .18	DYERS' SUNDRIES				Cape, 400 D cases..... D	.09	: .10	
Gambier, 25% liq. 450 D bbls. D	.08%	: .09%	Albumen, technical, egg 200 D cs. D	...	: 1.10		Curacao, 100 D cases..... D	.10%	: .11	
Common, 200 D cases..... D	.10%	: .11	Blood, domestic, 100 D drs. D	.50	: .60		Socotrine, whole 100 D cs..... D	.30	: .33	
Singapore cubes, 150 D bags. D	.18	: .19	Spray Yolk 150 D cs..... D	.45	: .65		Althra Root, cut cases..... D	.23	: .25	
HEMATINE, Paste, 500 D bbls. D	.11%	: .13%	British Gum, 140 D bags c/l 100 D	3.99	: 4.14		Whole bags D	.09	: .10	
Crystals, 400 D bbls..... D	.16	: .20	Bags, lc/l 100 D	4.09	: 4.24		Ambergris, black boxes..... D	...	: 8.00	
Hemlock, 25% 600 D bbls. wks. D	.03%	: .03%	Dextrin, corn 140 D bags c/l 100 D	...	: 3.64		Grey, boxes D	...	: 28.00	
Hyperic, 51°, 600 D bbls..... D	.15	: .20	Bags, lc/l 100 D	...	: 3.74		Ammoniac, tears, bags..... D	1.35	: 1.40	
Indigo, Madras bbls..... D	.85	: .90	Yellow, bags c/l..... 100 D	...	: 3.69		Angelica Root, dom. bags..... D	.14	: .15	
Manilla, bbls. D	...	: 1.30	Potato 220 D bags c/l..... D	...	: .07%		Angustura Bark, bags..... D	.08	: .10	
Larch, 25%, 600 D bbls., wks. D	.03%	: .03%	Bags, lc/l 100 D	...	: .07%		Anise, Levant bags D	.15	: .16	
Powd. 100 D bags, wks..... D	.07%	: .08	Yellow, 220 D bags..... D	...	: .08%		Russian, bags D	.14	: .15	
Logwood, 51°, 450 D bbls..... D	.07%	: .12%	Tapioca, 300 D bags, lc/l..... D	.09	: .10		Star, cases D	.12	: .12%	
Solid, 50 D boxes..... D	.15	: .21	Prussian blue D	.60	: .62		Spanish, bags D	.15%	: .16	
Madder, Dutch D	.28	: .30	Sago Flour, 150 D bags..... D	.04%	: .05		Annatto Seed, 200 D bags..... D	.21	: .22	
Mangrove, 55% 400 D bbls..... D	.04%	: .05	STARCH, powd. 140 D bgs.c/l 100 D	...	: 3.22		ARABIC GUM			
Myrobalan, 25% liquid bbls. D	.04	: .05	Bags lc/l 100 D	...	: 3.32		White, No. 1, 200 D bags... D	.26	: .28	
50% solid, 50 D boxes..... D	.04%	: .05	Pearl, 140 D bags c/l..... 100 D	...	: 3.12		Seconds, 250 D bags..... D	.24	: .26	
Oak, tanks wks..... D	.04	: .04%	Potato, domestic, 200 D bags. D	.05	: .05%		Sorts, amber, 200 D bags, bbls. D	.13	: .13%	
23-25% liq. 600 D bbls. wks. D	.05	: .05%	Imported, bags duty paid. D	.06	: .06%		Powd., USP, 300 D bbls..... D	.21	: .22	
			Tapioca Flour, high grade bags. D	...	: .07		Areca Nuts, 150 D bags..... D	...	: .09	
			Medium grade bags..... D	.05%	: .06		Powd., 200 D bbls..... D	...	: .11	
			Low grade, bags D	.04	: .04%		Arnica Flowers, bales D	.13	: .15	
			Turkey Red Oil, bbls..... D	.11	: .12		Root, Bags D	.16	: .18	
			Yolk Oil, bbls..... D	...	: .35		Arrowroot, Amer., powd. bbls. D	.08%	: .09%	
							St. Vincent, powd. bbls..... D	.16%	: .17	
							Asafetida, USP, 250 D cases. D	.22	: .24	
							Powd. 50 D bxs..... D	.48	: .49	
							BALM GILEAD RUBS, bags..... D	.45	: .50	
							Balmory Herb, bales D	...	: .14	



25 BROAD STREET
NEW YORK CITY

ANTIPYRINE
(Phenazone U. S. P.)
AMIDOPYRINE
(Pyramidon)
DIMETHYL SULPHATE
RESORCINOL TECHNICAL
RESORCINOL U. S. P.
Crystal or Powdered
ETHYL CHLORIDE
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For refrigeration and technical purposes.
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Technical and photographic
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(Metol)
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New York
Works: New Brunswick, N. J.

Crude Drugs

BALSAMS			Cannabis, true imp. bags.....lb	5.75	Cloves, Zanzibar, 135 lb bales...lb	.36	.38
Copaiba, Para, 80 lb cs.....lb	.23	.25	American (no assay) bales.....lb	.80	Amboyna, bales.....lb	...	...
South American, 80 lb cs.....lb	.27	.28	USP.....lb	1.70	Penang, bales.....lb	...	...
Fir Canada, cans.....gal	12.80	13.00	Cantharides, Chinese cases.....lb	1.05	Cochineal, USP, boxes.....lb	.35	.37
Oregon, bbls., cans.....gal	2.00	2.15	Powdered, boxes.....lb	1.25	Coca Leaves, Huancayo bags.....lb	...	...
Peru, 120 lb cases.....lb	1.75	1.80	Cantharides, Russian, cases.....lb	1.25	Truxillo, bags.....lb	...	.55
Tolu, 90 lb cases.....lb	2.50	2.75	Powdered, boxes.....lb	1.40	Cohosh Root, Black bags.....lb	.14	.15
Bamboo Brier Root, bags.....lb	.06	.07	Caraway Seed, African, bags.....lb	.24 1/2	Blue, bags.....lb	.16	.17
Barberry Bark, tree bales.....lb	.22	.24	Dutch, 110 lb bags.....lb	.25 1/2	Colchicum Root, bags.....lb	.08	.09
Bayberry Bark, bales.....lb	.11	.12	Cardamom bleached cases.....lb	1.50	Seed, bags.....lb	.10	.11
Wax, bbls.....lb	.26	.27	Decorated, cases.....lb	1.75	Colombo Root, whole bags.....lb	.03	.04
Belladonna Leaves, bales.....lb	.18 1/2	.19	Green, grinding, bags.....lb	1.50	Colocynth, apples, cases, bales.....lb	.17	.22
Root, bags.....lb	.12	.13	Carnauba Wax, Flor. bags.....lb	.52	Pulp, USP, bales.....lb	.33	.35
Res Wax, white bbls.....lb	.36	.38	No. 1 N Country bags.....lb	.40	Coltsfoot Leaves, bags.....lb	.06	.07
Yellow, refined, bbls.....lb	.21 1/2	.22	No. 2 N Country bags.....lb	.24	Comfrey Root, bags.....lb	.13	.14
Crude, bags.....lb	.23	.24	No. 3 Fatty Gray, bags.....lb	.18 1/2	Condurango Bark, bales.....lb	.12 1/2	.13
Benzoin Gum, Siam, boxes.....lb	1.30	1.35	No. 3 Chalky, bags.....lb	.19 1/2	Conium Seeds, bags.....lb	...	.16
Sumatra, 80 lb boxes.....lb	.27	.28	Cascara Amara, 150 lb bales.....lb	.30	Copaiba Balsam Para, see Balsams	...	...
Berberis Aquifolium Root, bags.....lb	.14 1/2	.15	Cascara Sagrada, bales, Old.....lb	.28	Copal Gum.....lb	.12	.13 1/2
Beth Root, bags.....lb	.30	.32	New.....lb	.27	Coriander Seed, Bombay bags.....lb	.05	.07
Blackhaw Bark, root, bales.....lb	.40	.41	Cascarilla Bark, quills bales.....lb	.34	Morocco, bags.....lb	.10 1/2	.10 1/2
Tree, bales.....lb	.28	.30	Siftings, bbls.....lb	.30	Bleached, bags.....lb	.14 1/2	.15 1/2
Rhod Root, bags.....lb	.15	.16	Casia Buds, 66 lb cases.....lb	.12 1/2	Corn Silk, bales.....lb	.05 1/2	.06
Blueflag Root, bags.....lb	.23	.25	China, select, mats cases.....lb	.09	Cotton Root Bark, bales.....lb	.20	.22
Boldo Leaves, bales.....lb	.20	.21	Salmon, assort. bales.....lb	.24	Cramp Bark, so-called bales.....lb	...	.08
Boneset Herb, bales.....lb	.08	.11	Cassia Fistula, baskets.....lb	.10	True, bags.....lb	.40	.42
Borage Flowers, bales.....lb	.18	.20	Castor Beans, bags.....lb	.03	Cranesbill Root, bags.....lb	.10	.11
Bryonia Root, bags.....lb	.09	.10	Castoreum, 1 lb bot.....lb	4.00	CUBES BERRIES, XX bags.....lb	.70	.75
BUCHU LEAVES, short, 250 lb			Catechu Gum, bags.....lb	.09	Powdered, boxes.....lb	.75	.78
bales.....lb	.87	.92	Catnip Herb, bales.....lb	.15	Culvers Root, bags.....lb	.35	.38
less, bales.....lb	.97	1.02	Celery Seed, 220 lb bags.....lb	.27	Cumin Seed, Levant bags.....lb	.27	.28
Long, bales.....lb	...	...	Celery Seed, 200 lb bags.....lb	.08	Morocco, bags.....lb	.27	.29
Buckthorn Bark, bags.....lb	.06	.07	Ceresin Wax, white bags.....lb	.09	Cuttlefish Bone, Trieste, straps.....lb	.15	.16
Burdock Root, bags.....lb	.19	.20	Yellow, 200 lb bags.....lb	.08	Jewelers, large, straps.....lb	...	.55
Burgundy Pitch, dom. 110 lb stands	...	...	CHAMOMILE FLOWERS, Roman		Small, straps.....lb	...	.35
Gross for net.....lb	...	.05	bales.....lb	1.00	French, straps.....lb	.15	.16
Calabar Beans, bags.....lb	.12	.14	Hung. cases bales.....lb	.08 1/2	Powdered, boxes.....lb	...	.13
Calamus Root, bleached cases.....lb	.36	.38	Charcoal Willow, powd. bbls.....lb	.06	Broken, boxes.....lb	.07	.07 1/2
Unbleached, bags.....lb	.07 1/2	.08	Wood, powd. bbls.....lb	.04	Damar Gum, 136 lb cases.....lb	.25 1/2	.26
Calendula Petals, imp. bales.....lb	...	.30	Chestnut Bark, bags.....lb	.07	Dandana Leaves, bales.....lb	.13	.15
Callisaya Bark, bales, powd.....lb	.27	.30	Herb, bales.....lb	.06	Dandelion Root, Imp., bags.....lb	.28	.30
Camphor, see Chemicals	...	...	Chicle Gum, bags.....lb	.75	Deer Tongue Leaves, bales.....lb	.09	.10
Canary Seed, Morocco bags.....lb	...	.06	Chiretta, bales.....lb	.10	Digitalis Leaves, bales.....lb	.07	.08
South American, bags.....lb	.05 1/2	.06	Cinchona Bark, red quills bales.....lb	.45	Dill Seed, bags.....lb	.08 1/2	.09
Candella Wax, bags.....lb	.23	.25	Broken, bales.....lb	.28	...	...	...
Canela Alba Bark, bales.....lb	.51	.52	Cinnamon, Ceylon, bales, bond.....lb	.22	...	...	...
...	...	...	Civet, Abyssin horns.....lb	2.75	...	...	...
...	Clover Tops, bags.....lb	.27

Ceylon Cinnamon

Oil Cinnamon Leaf

Oil Citronella

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Sole Agents U. S. A.

KITAGUMI JAPAN WAX

Crude Drugs

Dogwood Bark, Jamaica bags....D	.10%	.12	Grindelia Robusta Herb, bales...D	.07	.07%	LADY SLIPPER ROOT, bags....D	.51	.65
Flowers, bales.....D	...	.15	Guaiac Gum, 80 lb cases....D	.28	.30	Larkspur Seed, bags.....D	1.00	1.10
Dogwood Root, USP, cut bags....D	.12	.14	Guarana, tins, cases....D	.60	.70	Laurel Leaves, bales.....D	.04%	.05
Dragons Blood, mass cases....D	.45	.50	GUM, see Arabic Gum, etc.			Lavender Flowers, Ordinary....D	.32	.35
Reeds, boxes.....D	1.25	1.30	HELLEBORE ROOT,			Selected.....D	.38	.42
ECHINACEA ROOT, bags.....D	.28	.31	Black, bbls.....D	.08	.10	Leeches, tubs.....Per 100	...	6.00
Elecampane Root, bags.....D	.09	.10	Powdered.....D	.15	.17	Lemon Peel, bags.....D	.09	.10
Elder Flowers, bags.....D	.14	.16	White, Powd. 250 lb bbls....D	.18	.17	Licorice Root, Russian whole....D	.07%	.08
Klenti Gum, 80 lb cases....D	.10	.11	Helonias Root, (unicorn false)			Spanish, natural bales.....D	.09	.09%
Elm Bark, select, 5 lb bundles casesD	.31	.33	bags.....D	.88	.90	Powdered, bbls.....D	.09	.09%
Grinding, bags.....D	.10	.12	Hemp Seed, Manchurian bags....D	.05	.05%	Selected, 2 & 5 lb bundles..D	.16	.20
Powdered, bbls.....D	.23	.24	Chilian, bags.....D	...	...	Cuttings, 125 lb bags.....D	.07	.07%
ERGOT, 150-200 lb bags.....D	.36	.38	Menbane Leaves, bales, USP....D	.38	.40	Life Everlasting Herbs, bales...D	.05	.06
Eucalyptus Leaves, bales.....D	...	.05	No assay.....D	.30	.35	Lime Juice, clarified bbls.....gal	.50	.60
Euphorbia Pilulifera Herb, bags..D	.15	.17	Henna Leaves, bales.....D	.12	.13	Linden Flowers, with leaves, balesD	.14	.16
Euphorbium Gum, cases.....D	...	.32	Powdered.....D	.15%	.16	Without Leaves, bales.....D	.30	.32
Powdered, boxes.....D	...	.40	Honey, Calif., 120 lb cases....D	.11%	.12	Liverwort Leaves, bales.....D	.20	.22
Fennel Seed, French, bags.....D	.16	.17	Hops, N. Y. prime bales.....D	.25	.25	Lobelia Herb, bales.....D	.22	.24
German, bags.....D	.13	.19	Pacific Coast prime bales.....D	.20	.23	Lobelia Seed, bags.....D	.62	.65
Indian, bags.....D	.12	.12%	Horhound Herb, bales.....D	.10	.11	Lorag Root, Imported, bags....D	.20	.22
Flax Seed, whole 180 lb bbls....es	13.00	13.50	Horsetail Rush, bags.....D	...	.15	Lupulin, boxes.....D	1.40	1.50
Ground, 180 lb bbls.....D	.07%	.08	India Gum, see Karaya			Domestic.....D	1.30	1.40
Foenegreek Seed, 200 lb bags....D	.05%	.06	INSECT FLOWERS, open whole			Lycopodium, 88 lb cs.....D	.37	.39
Fish Berries, 100-125 lb bags....D	.03	.03%	bales.....D	...	...	MACE, Siam, No. 1 cases.....D	.44	.45
Fringe Tree Bark, bags.....D	.19	.20	Cloved whole, bales.....D	...	...	Bandia, No. 1 cases.....D	.50	.53
GALANGAL ROOT, bags.....D	.08	.09	Powdered, pure 200 lb bbls....D	.65	.67	Batavia, cases.....D	.38	.39
Galbanum Gum, cans.....D	.80	.95	Flowers and stems, 50 p. e.			Malva Flowers, blue bales....D	.27	.30
Gambier Gum, bags.....D	.09	.10	200 lb bbls.....D	.38	.40	Black, bales.....D	.65	.75
Gamboge Gum, 160 lb cases....D	.85	.90	Ipecac Root, Cartagena, bags....D	2.15	2.25	Manna, large flake cases.....D	...	...
Powdered, cases.....D	.90	1.00	Powdered, 220 lb bbls. boxes..D	2.60	2.70	Small flake, cases.....D	.39	.41
Geleum Root, bags.....D	.11	.11%	Rio Whole, bags.....D	...	...	Sorts, cases.....D	.27	.30
Gentian Root, bags.....D	.08%	.09	Powdered, 200 lb bbls. boxes..D	...	...	Mandrake Root, bags.....D	.21	.22
Ginger, African, bags.....D	.16	.17	Isingiam, American, 130 lb cs....D	.65	.70	Mastic Gum, 120 lb cases....D	.70	.75
Jamaica, grinding, bags bbls..D	.36	.42	Russian (Beluga) bxs. ctms....D	4.50	5.50	Menzereon Bark, bags.....D	.11	.13
Japan, bags.....D	.17	.17%	JABORANDI LEAVES, bales.....D	.16	.18	Matico Leaves, bales.....D	.20	.22
Cochin, ABC & lemon, bags..D	.18	.18%	Jalap Root, whole, 150 lb bags..D	.38	.35	Marjoram Leaves, German bales..D	.17%	.18
Ginseng Root, cultivated, bags..D	8.00	10.00	Powdered, USP, 250 lb bbls....D	.38	.40	French, bales.....D	.13%	.14%
Northern Wild, bags.....D	14.00	15.00	Japan Wax, 224 lb cases.....D	.16	.16%	Millet Seed, dom. yellow bags..D	.03%	.05
Southern Wild, bags.....D	10.00	12.00	Job's Tears, white bags.....D	.25	.30	Mountain, Wax, crude bags....D	.04	.04%
Golden Seal Root, bags.....D	3.45	3.55	Juniper Berries, 135 lb bags....D	.08	.08%	Bleached.....D	...	...
Powdered, boxes.....D	3.70	3.75	KAMALA, boxes.....D	1.35	1.45	Moss, Iceland bales.....D	.08	.09
Grains of Paradise, bags.....D	.12	.14	Karaya Gum, powdered, bbls....D	.15	.20	Irish, bleached bales.....D	.10	.12
			Kava Kava Root, bags.....D	.16	.17	Mullein Flowers, tins.....D	1.35	1.80
			Kino Gum, black cases.....D	.80	.55			
			Kola Nuts, 150 lb bags.....D	.05	.06			
			Koumo Flowers, bags.....D	...	2.00			

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Musk, pods, Cabardine, tins....oz	16.00	17.00	Patchouli Leaves, bales.....D	.22	.25	Rosemary Flowers, cases bales...D	.28	.30
Tonguin.....oz	22.00	25.00	Pepper, black Sing, bags.....D	.11	.11½	Rose Petals, pale.....D	.22	.25
Grain Cab.....oz	25.00	26.00	White, bags.....D	.14	.14½	Red.....D	.65	.70
Tonguin.....oz	35.00	38.00	Peppers, red Mombasa, bags.....D	.16	.16½	Rue Herb, bales.....D	.30	.35
Synthetic, see Chemicals.....D	...	...	Cherries, bags.....D	.14	.15	SABADILLA SEED, bags.....D	.16	.17
Musk Root, Russian bags.....D	...	...	Bombay, bags.....D	.15	.15½	Powder, bbls.....D	.17	.18
Mustard Seed, Bari brown bags..D	.08½	.09	Japan, bags.....D	.28½	.30	Saffron Flowers, Amer. bales...D	.90	.95
Bombay, brown.....D	.08½	.09	Pennyroyal Herb, bales.....D	.08	.12	Valencia, 1lb cans.....D	36.00	37.00
California, brown.....D	.08½	.09	Peppermint Leaves, imp. bales..D	...	.35	Sage, Dalmatian bales.....D	.05½	.06½
Yellow.....D	...	.09	Domestic leaf.....D	.27	.29	Greek, bales.....D	.04½	.05½
Chinese yellow.....D	.04	.04½	Peru Balsam, see Balsams.....D	.23	.25	Spanish, bales.....D	.03	.03½
English, yellow.....D	.08½	.09	Pichi Leaves, bags.....D	.05½	.05½	Sandalwood, chips bags.....D	...	.30
Dutch, yellow.....D	.08	.08½	Plimento, select bags.....D	...	1.05	Ground, bags.....D	...	.35
Danish, yellow.....D	.08½	.09	Pink Root, true bags.....D	...	.22	Sandarac Gum, 300lb bbls.....D	.22	.23
Myrrh Gum, select 200lb cs.....D	.35	.37	Pitch, Burgundy, see Burgundy Pitch	...	.15	Sarsaparilla Root Honduras, balesD	.61	.65
Sorts, cases.....D	.33	.35	Pleurisy Root, bags.....D	...	.15	Mexican, bales.....D	.27	.29
NUTGALLS, Chinese, bags.....D	.17	.18	Plantain Leaves, bales.....D	...	.07½	Sassafras Bark, ordinary bales...D	.13	.15
Alepp, bags.....D	.14	.15	Poke Berries, bags.....D	...	.30	Select, bales.....D	.30	.32
Nutmegs, 110s cases.....D	.27	.28	Poke Root, bags.....D	...	.30	Savory Leaves, bales.....D	.08½	.09½
75s, 20s cases.....D	.30	.31	Pomegranate Bark, of root bags..D	...	.25	Saw Palmetto Berries, bags.....D	.10	.11
Nux Vomica Buttons, bags.....D	.08	.07	Of Fruit, bags.....D	...	.10½	Scammony Resin, boxes.....D	1.40	1.60
Powdered, 200lb bbls.....D	.08½	.09	Of tree.....D	...	.08	Scammony Root, bags.....D	.06½	.07
OAK BARK, red bags.....D	.05	.06	Poppy Flowers, red bags.....D	.25	.27	Senega Root, bags.....D	.66	.72
White, bags.....D	.06	.07	Poppy Seed, Dutch, bags.....D	.10½	.11	SENNA, Alex. 150lb cases.....D	.24	.25
Oldbanum Gum, sift 280lb cases..D	.09½	.10	German, bags.....D	...	.07½	Half Leaf, 350lb bales.....D	.18½	.19½
Tears, 280lb cases.....D	.12	.13	Turkish, bags.....D	.08	.08½	Siftings, 400lb bales.....D	.13	.14
No. 1, all white, 280lb cases.....D	.21	.22	Blue Indian, bags.....D	.07	.07½	Powdered, 200lb bbls.....D	.14	.15
Opium, gum USP cases.....D	8.00	10.00	White Indian, bags.....D	.14	.14½	Tinnerelly, job, 350lb bbls..D	.11	.16
Granular, cans.....D	9.00	11.00	Prickly Ash Bark Southern, bags..D	...	.16	Grinding, 350lb bales.....D	.07	.09
Powdered, USP, cans.....D	9.00	11.00	Northern, bags.....D	...	.12	Powdered, 200lb bbls.....D	.09	.10
Orange Flowers, cases.....D	.50	1.00	Prickly Ash Berries, bags.....D	.12	.14	Pods, 350lb bales.....D	.15	.17
Orange Peel, bitter bags.....D	.07½	.07½	Prince's Pine, bales.....D	.35	.38	Serpentaria Root, bags.....D	.80	.85
Sweet, bags.....D	.08	.08½	Pulsatilla Herb, bags.....D	.35	.37	Shellac, T.N., bags.....D	.63	.64
Orris Root Florentine bold bags..D	.07	.08	Pumpkin Seed, bags.....D	.14	.16	Superfine Orange, bags.....D	.68	.70
Powdered, 200lb bbls.....D	.11½	.12	QUASSIA CHIPS, bags.....D	.06½	.07½	D. C., bags.....D	.83	.85
Verona, bags.....D	.05	.06	Queen of the Meadow Herb, bags..D	...	.06	V. S. O., cases.....D	.83	.85
Powdered, 200lb bbls.....D	.07½	.08	Quince Seed, bags.....D	.95	1.10	Pwd. reg., 350lb bbls.....D	...	.72
Fingers, cases.....D	.58	.60	RAPE SEED, South Amer. bags..D	.06½	.07	Regular Bleached, 350lb bbls..D	...	.65
Osokerite Wax, brown hard bags..D	.22	.24	Dutch, bags.....D	.05½	.06	Bone, Dry, 350lb bbls.....D	.70	.72
Green, hard bags.....D	.25	.26	Japanese, small, bags.....D	.56	.60	Simaruba Bark, bales.....D	.09	.10
Refined, yellow bags.....D	...	...	Raspberries, dried boxes.....D	.17	.19	Sideritis Herb, cut bags.....D	...	.18
PAPRIKA, bags.....D	.17	.22	Red Saunders.....D	...	.08½	Skullcap Leaves, bales.....D	...	.38
Hungarian, bags.....D	.27	.37	Rhatany Root, bags.....D	...	.30	Sloe Berries, bags.....D	.03	.04
Pareira Brava Root, bags.....D	.19	.20	RHUBARB, H. D. cases.....D	.44	.45			
Parsley Seed, bags.....D	.08½	.09	Powdered, 200lb bbls.....D	.04½	.05			
			Rosemary Leaves, bales.....D			

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Gentian Root
Canada Balsam
American Saffron

Licorice Root
Bleached Calamus
Anise Seed
Powdered Henna

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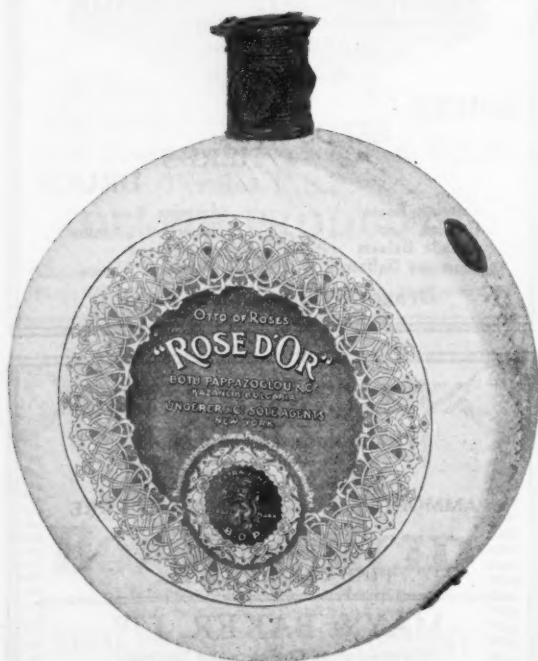
Snake Root, Canada natural bags..D	.43	: .45
Stripped, bags	: .55
SOAP BARK, whole, 150-200 lb		
bales .....	.07½	: .09
Cut, 125-175 lb bags .....	.09	: .09½
Crushed, 200 lb bbls. ....	.11½	: .12½
Powdered, 200 lb bbls. ....	.12	: .14
Spearmint Leaves, American bales..D	.23	: .24
Spermaceti, blocks cakes cases...D	.39	: .41
Spikenard Root, bags .....	.27	: .29
Spruce Gum, boxes	1.00	: 1.50
Squaw Pine, bales .....	...	: .17
Stavesacre Seed, bags .....	.28	: .29
Stone Root, bags .....	.09	: .10
Storax, liquid artif. ....	.70	: .75
Gen. USP .....	.90	: 1.00
St. Ignatius Beans, bags .....	.22	: .23
St. John's Bread, bags .....	.04	: .06
Stramonium Leaves, bales .....	.08	: .09
Stramonium Seed, bags .....	.12	: .13
Strophanthus Seed, Hispidus....D	.35	: .40
Kombe, bags .....	.30	: .35
Sunflower Seed, domestic bags...D	.07	: .07½
South American, bags .....	.06	: .07½
TAGALDER BARK, bags .....	...	: .05
Tamarinds, bbls. ....	...	: .06½
Kegs .....	...	: 3.50
Tansy Herb, bales .....	.18	: .20
Tar, Barbadoes, 50 gal. bbls....gal	1.60	: 1.75
Thus Gum, 280 lb bbls. ....	...	: .05½
Thyme, Spanish bales .....	.07	: .07½
French, bales .....	.08½	: .09
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tongo Bark, bags .....	.30	: .31
Tonka Beans, Angostura, cases...D	2.35	: 2.35
Para, cases .....	.75	: .80
Surinam, cases .....	.80	: .85

Tragacanth Gum, No. 1, ribbon		
200 lb cs.	1.35	: 1.40
No. 2 to No. 6, cases	1.00	: 1.35
Powdered, 50 lb boxes .....	.95	: 1.00
Turkish, cases .....	.75	: .90
Turmeric Root, Madras bags .....	.10½	: .11
Aleppy, bags .....	.09	: .09½
China, bags .....	.08	: .08½
Turpentine, Venice, true 80 lb cs...D	.17	: .20
Artificial, 80 lb cases .....	.14	: .15
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Ursi Leaves, bales .....	.07	: .07½
VALERIAN ROOT, Belgian bags...D	.10	: .10½
Vanilla Beans Mex. whole cases..D	9.00	: 11.00
Cuts, cases	6.00	: 6.25
Bourbon, cases	5.00	: 5.25
South American, cases	6.00	: 6.25
Tahiti, yellow label cases .....	...	: ...
Green Label, cases .....	...	: ...
Violet Flowers, bags .....	.05	: .70
Wahoo BARK, of root bags	1.00	: 1.05
Of Tree, bags .....	.46	: .48
White Pine Bark, rosed, bags...D	.07	: .08
White Poplar Bark, bags .....	.04	: .05
Wild Cherry Bark, thin green		
Rosed, bales .....	.15	: .16
Thick Rosed, bales .....	.09	: .10
Thin Natural, bales .....	.13	: .15
Thick Natural, bales .....	.07	: .08
Willow, bark bags .....	...	: .06
White, bags .....	...	: .15
Witch Hazel Bark, bags .....	...	: .07
Witch Hazel Leaves, bales .....	...	: .09
Worm Seed, American bags .....	.09	: .10
Levant bags .....	...	: ...
Wormwood Herb, imported bales...D	...	: .10
Yacca Gum, red .....	.04	: .04½
Ground .....	.05½	: .06½
YELLOW DOCK ROOT, bags .....	.12	: .14
Yellow Parilla Root, bags .....	.16	: .17
Yerba Santa, bags .....	.10	: .11
Zedary Root, bags .....	.08	: .10

Essential Oils

Almond Bitter USP 5 lb lots....D	3.25	: 3.75
Bitter ff PA 5 lb bots.....D	3.50	: 3.75
Artificial (See Benzaldehyde—Chemicals)		
Sweet, 56 lb cans .....	.33	: .34
Peach Kernel, 55 lb tins.....D	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.....D	.70	: .75
Rectified, 25 lb tins.....D	.90	: 1.00
Angelica Root, 1 lb bot.....D	38.00	: 38.00
Seed, 1 lb bot.....D	36.00	: 38.00
ANISE, Tech., 65 lb case.....D	.40	: .42
USP 50 lb tins .....	.42	: .45
Bay, 25 lb tins.....D	2.50	: 2.60
Bergamot, 25 lb coppers	2.75	: 2.85
Artificial, 25 lb cans	2.00	: 2.25
Birch Tar, rect. 5 lb bot.....D	1.10	: 1.15
Crude, 50 lb tins .....	.60	: .65
Bois de Rose, 25 lb tins.....D	2.75	: 3.00
Cade, USP, 25 lb tins.....D	.35	: .40
USP, 5 lb bot.....D	.45	: .50
Cajuput, native, 50 lb tins.....D	.80	: .85
Calamus, 5 lb bot.....D	4.25	: 4.75
Camphor, heavy, 1000 lb drums...D	.12½	: .13½
Japanese, white, 72 lb cases...D	.13½	: .15
White, 1000 lb drums.....D	.13	: .15
Cananga, native 25 lb tins.....D	2.25	: 2.50
Rectified, 25 lb tins	2.75	: 3.00
Caraway, USP	8.25	: 8.50
Cardamom, USP, 1 lb bot.....D	30.00	: 33.00
Carvol, 5 lb bot.....D	16.00	: 18.00
CASSIA, 75-80 p.c. 66 lb cases..D	2.25	: 2.35
Redistilled, USP, 50 lb cans...D	2.75	: 2.85
Cedar Leaf, 50 lb tins.....D	1.05	: 1.10
Cedar Wood, light 1000 lb drums..D	.26	: .28
Celery, 1 lb bot.....D	8.50	: 9.00
Cinnamon, Ceylon, 1 lb bot.....D	11.00	: 12.50
Leaf, 5 lb bot.....D	...	: 2.00
CITRONELLA, Ceylon, 1000 lb drs..D	1.00	: 1.05
50 lb tins	1.02	: 1.10
Java, 400 lb drums	1.10	: 1.15
50 lb tins	1.12	: 1.20
Cloves, USP, 50 lb cans.....D	2.50	: 2.60
6 lb bot.....D	2.60	: 2.70

UNGERER & CO.



OTTO OF ROSES

CHIRIS
OIL CUBEBS U. S. P.

Our method of distillation of this oil gives a product truly representative of Cubeb berries which are selected with care, therefore, it is free from the false effect otherwise obtained.



Antoine Chiris Company

147-153 Waverly Place, New York, N. Y.

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CHICAGO OFFICE: 150 W. Austin Avenue, Chicago, Ill.

Essential Oils

Copaiba, USP, 50 lb tins.....	.35	: 40	Pimento, 25 lb tins.....	2.00	: 2.10
Coriander, USP, 1 lb bot.....	17.00	: 17.50	Pinus Sylvestris, 25 lb tins.....	...	: 1.75
Croton, USP, 25 lb tins.....	1.00	: 1.10	Pumilio, USP, 25 lb tins.....	...	: 2.75
Cubeb, USP, 5 lb bot.....	5.25	: 5.50	Rose, Fr., 8, 16 & 32 oz. pkgs..oz	...	: 9.00
Cumin, 1 lb bot.....	14.00	: 15.00	Bulg., 8, 16 & 32 oz. pkgs..oz	8.00	: 9.00
Dill, 1 lb bot.....	4.25	: 5.00	Artificial, 1 lb bot.....	2.00	: 3.00
Erigeron, 20 lb tins.....	.75	: .85	Rosemary, USP, 27 1/2 lb tins.....	.40	: .42
EUCALYPTUS, Austl. USP			1000 lb drums.....	...	: .37 1/2
50 lb ca.....	.72 1/2	: .75	Tech., 27 1/2 lb tins.....	.35	: .40
500 lb drums.....	...	: .70	Rue, 1 lb bot.....	...	: 4.25
Fennel USP, 25 lb tins.....	1.05	: 1.10	Sandalwood, E.Ind.USP, 76 lb cases	7.10	: 7.20
Geranium, Algerian, 25 lb tins.....	8.00	: 8.50	W. Indian, (Amyris) 25 lb tins.....	9.00	: 9.25
Bourbon, 25 lb tins.....	7.50	: 8.00	Sassafras, USP, 50 lb cans.....	1.90	: 2.05
Turkish, 25 lb tins.....	4.50	: 4.75	Artificial, 1000 lb drs., 60 lb cans	.38	: .42
Ginger, 1 lb bot.....	5.75	: 6.00	Savin, 5 lb tins.....	2.85	: 3.00
Gingergrass, 28 lb tins.....	2.75	: 3.00	Spearmint, USP, 60 lb cases.....	2.40	: 2.50
Hemlock, 50 lb cans.....	1.10	: 1.20	Spruce, 50 lb tins.....	1.10	: 1.20
Juniper Berries, USP, 25 lb tins.....	1.25	: 1.35	Tansy Amer., 20 lb tins.....	4.25	: 4.35
Wood, 50 lb tins.....	.60	: .70	Tar, 50 gal. bbls.....	.25	: .26
Lavender, USP, 25 lb tins.....	4.50	: 6.25	Refined, USP 25 lb tins.....	...	: ...
Spike, Spanish, 50 lb cans.....	.85	: .90	Thyme, red, USP 25 lb tins.....	1.05	: 1.10
LEMON, Ital. USP, 25 lb tins.....	.75	: .90	White, USP 25 lb tins.....	1.15	: 1.25
American, USP, 25 lb tins.....	.75	: .80	Tech., 110 lb drums.....	.85	: .90
Lemongrass, native, 50 lb cans.....	.80	: .85	Vetiver, Bourbon, 1 lb bot.....	7.25	: 7.50
Limes, express 25 lb tins.....	1.50	: 1.70	Java, 1 lb bot.....	22.00	: 24.00
Distilled, 25 lb tins.....	.90	: 1.00	Wine, heavy 1 lb bot.....	...	: 2.75
Linaloe, Mex. 80 lb cases.....	2.40	: 2.50			
Mace, distilled, 50 lb tins.....	1.00	: 1.10			
Mirbane, ref., see Ar. Chemicals					
Mustard, USP, 1 lb bot.....	...	: 14.00			
Artif. USP, 5 lb bot.....	3.00	: 3.25			
Neroli, Bigarade, 1/2 & 1 lb bot.....	40.00	: 60.00			
Petal 1 lb bot.....	65.00	: 80.00			
Artificial, 1 lb bot.....	10.00	: 25.00			
Nutmeg, USP, 25 lb tins.....	1.00	: 1.10			
Orange, bitter, 25 lb tins.....	2.65	: 2.75			
Sweet, W. Ind., 25 lb tins.....	2.35	: 2.45			
Italian, 25 lb cop.....	3.15	: 3.35			
American, 25 lb tins.....	3.00	: 3.25			
Origanum, 60 lb cans.....	.30	: .35			
Parsley, 1 lb bot.....	3.50	: 4.00			
Patchouli, 5 lb bot.....	6.75	: 7.00			
Peppermint, dom. 25 lb tins.....	1.95	: 2.25			
Imported, 25 lb tins.....	1.90	: 2.00			
PEPPERMINT, nat. 60 lb cases.....	3.25	: 3.35			
Redist., USP, 60 lb cases.....	3.45	: 3.55			
Petit Grain, S. Am. 25 lb tins.....	1.75	: 1.85			
French, 1 lb bot.....	7.00	: 8.00			
Italian, 25 lb tins.....	2.25	: 2.35			

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.60	: 2.00
Borneol, 1 lb bot.....	...	: 3.50
Citronellal, 1 lb bot.....	2.00	: 2.25
CITRAL, 25 lb cans.....	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	.80	: .85
Eugenol, USP, 25 lb cans.....	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	3.25	: 3.50
Imported, 5 lb bot.....	4.25	: 5.50
Extra.....	...	: ...
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.50	: 6.50
Linalool, 5 lb bot.....	8.00	: 9.00
MENTHOL, 60 lb cases.....	...	: 13.00
Less cases, 5 lb cans.....	...	: 13.50
Rhodinol, 1 lb bot.....	15.00	: 20.00
SAFROL, 60 lb cans.....	.48	: .50
Thymol, USP, 25 lb tins.....	3.10	: 3.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot.....	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	...	: ...
Aldehyde, C-14, 1 lb bot.....	27.50	: 32.50
Aldehyde, C-16, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-18, 1 lb bot.....	70.00	: 80.00
Aubepine, see Anisic Aldehyde		
Amyl Acetate, pure, 5 gal. cans.gal	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	2.00	: 2.10
Amyl Formate, 1 lb bot.....	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot.....	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb		
cbys.....	1.45	: 1.50
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb cbys	1.50	: 1.60
FFC, 40 lb cbys.....	1.75	: 1.85
Benzoic Ether, See Ethyl Benzoate		
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb cbys.....	1.55	: 1.75

OLEORESINS

Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	2.50	: 2.75
Ginger, 5 lb bot.....	3.00	: 3.10
Cubeb, USP, 1 lb bot.....	4.75	: 5.00
Malefern, See Aspidium		
Orris, 1 lb bot.....	...	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	9.50	: 10.00

Essential Oils
and
Aromatic Chemicals
for
PERFUMES, SOAPS,
FLAVORING
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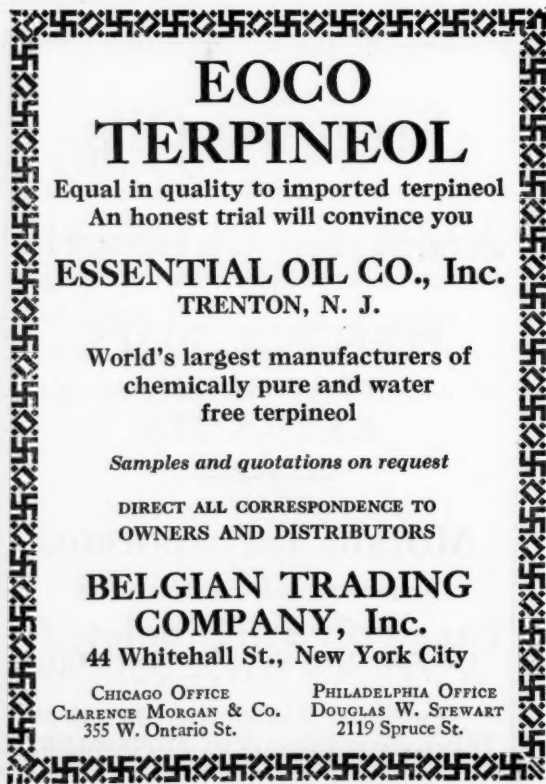
Inc.

NEW YORK

Benzyl Alcohol, 5 lb bot.....	D	1.60	: 1.70
BENZYL BENZOATE, 5 lb bot....	D	1.60	: 1.75
Medicinal PFC		1.75	: 2.00
Benzyl Butyrate, C.P., 1 lb bot.	D	5.50	: 6.00
Benzyl Cinnamate, 1 lb bot....	D	10.00	: 10.50
Benzyl Formate, 1 lb bot.....	D	3.00	: 3.25
Benzyl Propionate, 1 lb bot....	D	5.00	: 5.25
Bornyl Acetate, 1 lb bot.....	D	3.75	: 3.25
Bromosulf, 25 lb cans.....	D	4.00	: 4.25
Butyric Ether, See Ethyl Butyrate			
Cinnamic Acid, 5 lb cans.....	D	8.00	: 3.25
Cinnamic Alcohol, liquid 1 lb bot.	D	10.00	: 14.00
Crystallizable		12.00	: 16.00
Cinnamic Aldehyde, 1 lb bot....	D	3.20	: 3.50
CITRONELLOL, 1 lb bot.....	D	8.00	: 11.00
Citronelloryl Acetate, 1 lb bot..	D	12.00	: 13.00
COUMARIN, 25 lb cans.....	D	4.50	: 4.65
DIETHYL PHTHALATE, 25 lb cans	D	.50	: .60
1000 lb dra.	D	.45	: .50
Diphenyloxide, 25 lb tins.....	D	.95	: .90
Ethyl Acetate, pure, 5 lb bot....	D	.45	: .50
Ethyl Benzoate, 5 lb bot.....	D	1.85	: 2.00
Ethyl Butyrate, 5 lb bot.....	D	2.00	: 2.25
Ethyl Caproate, 1 lb bot.....	D	3.25	: 3.50
Ethyl Cinnamate, 1 lb bot.....	D	3.75	: 4.00
Ethyl Formate, 5 lb bot.....	D	2.00	: 2.10
Ethyl-methyl Paracresol, 1 lb bot.	D	3.25	: 3.50
Ethyl Propionate, 1 lb bot.....	D	2.25	: 2.50
Ethyl Salicylate, 5 lb bot.....	D	4.50	: 4.75
Ferrocene Ether, See Ethyl Formate		3.25	: 3.50
Geranyl Acetate, 1 lb bot.....	D	4.25	: 4.75
Geranyl Butyrate, 1 lb bot.....	D	13.00	: 13.50
Geranyl Formate, 1 lb bot.....	D	12.00	: 12.50
Hydroxycitronellal, 1 lb bot....	D	11.00	: 13.00
Heliotropin, dom., 10 lb bot....	D	1.85	: 2.00
Imported		2.50	: 2.75
Inodol, CP, 1oz. bot.....	cs	6.00	: 6.50
Isoeone, 1 lb bot.....	D	5.00	: 9.00
Alpha		10.00	: 12.00
Beta		9.00	: 11.00
Methyl		12.50	: 15.00
Iso-Butyl Benzmate, 5 lb bot....	D	4.75	: 5.00
Iso-Safrol, 1 lb bot. imported...	D	5.25	: 5.50
Domestic, 5 lb bot.....	D	4.00	: 4.25
Linalyl Acetate, 1 lb bot. Dom..	D	7.00	: 7.50
Imp., 1 lb bot.....	D	8.50	: 10.00
Linalyl Alcohol, 1 lb bot.....	D	13.00	: 14.00
Linalyl Formate, 5 lb bot.....	D	10.00	: 12.00
METHYL ANTHRANILATE dom., 1 lb bot.....	D	3.25	: 3.75
Imported		4.50	: 5.00
Methyl Benzoate, 5 lb bot. import.	D	2.00	: 2.25
Domestic, 5 lb bot.....	D	1.75	: 2.00
Methyl Cinnamate, 1 lb bot.....	D	3.75	: 4.00
Methyl Heptenone, 1 lb bot....	D	8.00	: 8.25
Methyl Heptine Carbonate, 1 lb bot.	D	50.00	: 70.00
Methyl Paracresol, 1 lb bot....	D	8.00	: 9.00
Methyl Phenylacetate, 1 lb bot..	D	6.25	: 6.50
Methyl Phenylacetate, 5 lb bot..	D	6.00	: 6.50
METHYL SALICYLATE, USP 500 D drums	D	..	: .45
50 lb cases	D	..	: .47
Second Hands	D	.43	: .44
Mirbane, rect., 1000 lb drums...	D	12.25	: .14
Musk Ambrette, 1 lb cans.....	D	14.00	: 15.00
Musk Ketone, 5 lb cans.....	D	14.00	: 15.00
Musk Xylene, 6 lb cans.....	D	3.50	: 3.75
Nerolin, 1 lb cans.....	D	1.85	: 2.00
Oenanthal Ether, 100%, 1 lb bot.	D	2.25	: 3.00
Oenanthal Ether, 5 lb bot.....	D	1.25	: 1.50
Phenylacetaldehyde, Dom., 1 lb bot.....	D	9.50	: 10.50
Imported	D	7.50	: 11.00
Phenylacetic Acid, 1 lb bot....	D	3.00	: 3.25
Phenyl Diacetate, 1oz. bot.....	cs	3.25	: 3.50
Phenyl propyl Alcohol, 1 lb bot.	D	13.00	: 14.00
PHENYLETHYLCALCOLHOL dom., 1 lb bot.....	D	8.00	: 10.00
Imported	D	7.75	: 8.75
Phenylethyl Butyrate, 1 lb bot..	D	25.00	: 26.00
Phenylethyl Formate, 1 lb bot..	D	18.00	: 19.00
Phenylethyl Propionate, 1 lb bot.	D	19.00	: 20.00
Phenylethyl Valerate, 1 lb bot..	D	22.50	: 26.00
Phearylpropylalcohol, 1 lb bot..	D	15.00	: 16.00
Santal, 1oz. bot.....	cs	9.25	: 10.00
TERPINEOL, CP, 1000 lb drums.	D	.50	: .51
Cans, 50 D	D	.52	: .54
Imported, 25 lb cans.....	D	.95	: 1.20
Terpinyl Acetate, 25 lb cans....	D	1.65	: 1.85
VANILLIN, USP, 400 oz. cans...cs	cs	.50	: .50 1/2
Cans, 16 oz., 80 oz.....	cs	.50 1/2	: .51 1/2
Valerician Ether, See Ethyl Valerate			
Yara Yara, 1 lb cans.....	D	1.75	: 2.00
PERFUMERS' SUNDRIES			
Almond Meal, 25 lb cans.....	D	.28	: .30
Ambergris, black, bxs.....	cs	..	: 8.00
Ambergris, gray, bxs.....	cs	..	: 28

CHICAGO OFFICE
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Imports of Chemicals, Dyestuffs, Drugs, etc.

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ACIDS—Arsenious, 358 bbls., Amer. Metals Co., Tampico; **Cresylic**, 25 drs., Order, Liverpool; 38 drs., Order, Glasgow; **Tartaric**, 50 cks., French Amer. Bkg. Corp., Marseilles; 400 cks., Order, Palermo; 50 cks., W. Benkert & Co., Hamburg
ALCOHOL—Amyl, 4 cks., Order, Hamburg; Denatured, 125 bbls., C. Esteve, San Juan
ALLOES—150 cs., Selma Merc. Corp., Curacao
AMMONIUM—Carbonate, 10 cks., 10 bbls., Order, Liverpool
ANTIMONY—Regulus, 500 cs., Order, Hamburg
ARGOLS—100 bgs., Order, Southampton; 38 cks., Royal Bkg. Powder Co., Liverpool; 528 sks., Harshaw Fuller & Goodwin, Barcelona; 66 cks., Tartar Chem. Wks., Naples
ARSENIC—240 bbls., Amer. Smelt'g & Refg. Co., Tampico; 100 cks., Central Union Trust Co., Hamburg
BALSAM—Tolu, 9 cs., De Lima Correa & Cortissoz, Puerto Colombia; 10 cs., A. A. Stillwell Co., Hamburg
BARYTES—250 bgs., Roessler & Hasslacher Chem. Co., Hamburg; 192 cks., A. Klipstein & Co., Hamburg; Hydrat, 16 cks., E. Suter & Co., Hamburg
BAUXITE—58 tons, A. M. Kohler, Paramaribo
BAY RUM—8 cs., Amer. Exp. Co., St. Thomas; 2 bbls., H. Isaacs, St. Thomas
BARIUM—Carbonate, 996 bgs., Order, Hamburg; 78 drs., A. Klipstein & Co., Hamburg; Chloride, 58 cks., T. Goldschmidt, Hamburg; Superoxide, 152 cks., W. A. Brown & Co., Hamburg
BARYTES—200 bgs., Cooper & Cooper, Hamburg
BLOOD—Albumin, 25 cs., A. Klipstein & Co., Hamburg; Dragon's 7 cs., Astoria Proto Eng. Supply Co., Southampton
CALCIUM—Carbide, 1 cse., J. Olsson, Gothenburg; Chloride, 179 drs., Goldschmidt

Corp., Hamburg; **Cyanamid**, 15,057 drs., Amer. Cyanamid Co., Hamburg
CAMPHOR—100 cs., A. Ochse, Hamburg
CASEIN—1 cse., Amer. Shpg. Co., Hamburg; 834 bgs., Kalbfleisch Corp., Buenos Aires; 667 bgs., Brown Bros. & Co., Buenos Aires; 397 bgs., Bank of Manhattan Co., Hamburg
CHALK—1,500 bgs., Bankers Trust Co., Antwerp
CHLORAETHYL—179 drs., Goldschmidt Corp., Hamburg; 12 cs., Lehn & Fink, Hamburg
CHROME OXIDE—1 cse., Roessler & Hasslacher Chem. Co., Hamburg
CLAY—315 cks., E. Thiele, Bremen
COLORS—1 ck., Order, Hamburg; 12 cks., Geigy Co., Antwerp; 4 kgs., Bk. of Manhattan Co., London; 2 drs., Nat. Aniline Chem. Co., Buenos Aires; 6 cks., Irving Bank, Hamburg; 1 bbl., Carbic Color & Chem. Co., Hamburg; 15 cks., Franklin Imp. & Exp. Co., Hamburg; 6 cks., Roessler & Hasslacher, Hamburg; **Bronze Powder**, 13 cs., L. Uhlfelder & Co., Bremerhaven; 16 cs., B. F. Drakenfeld & Co., Bremen; Earth, 5 cks., Reichard Coulston, Inc., Hamburg
COAL TAR—Distillate, 85 drs., Order, Liverpool
DIVI DIVI—391 bgs., Eggers & Heinlein, Pampatar; 1,723 bgs., Suzarte & Whitney, Maracaibo; 70 bgs., R. Desvernine, Maracaibo; 320 bgs., Ultramares Corp., Curacao
ERGOT—7 bgs., Caragos Young Co., Vigo
EXTRACTS—Archil Liquor, 5 cks., W. A. Ross & Bro., Liverpool; Logwood, 100 bbls., Logwood Mfg. Corp., Cape Haitian; **Quebracho**, 4,020 bgs., Kidder Peabody Accept. Corp., Buenos Aires; 3,067 bgs., Bk. of N. Y. & Trust Co., Buenos Aires; 4,170 bgs., Order, Buenos Aires
FERRIC—Oxide, 153 cks., Iron & Ore Corp., Hamburg
FLOWERS—Chamomile, 72 cs., Murray & Nickell, Hamburg; Lavender, 14 bls., J.

Pawel, Marseilles; **Rose**, 6 bls., Order, Marseilles; 2 bls., Order, Marseilles
GELATIN—50 cs., Amer. Exp. Co., Bremerhaven
GLUE—1 cse., A. B. Schell, Marseilles; 112 bls., Order, Marseilles; 40 bls., Brit. Bk. of So. Amer., Antwerp; 80 bgs., General Adhesive Mfg. Co., Liverpool; 50 bgs., Order, Liverpool; 2 bgs., A. B. Schell, Havre; 100 bls., Order, Marseilles
GLUESTOCK—446 bbls., Order, Buenos Aires
GUMS—250 bgs., Brown Bros. & Co., Port Sudan; 93 bgs., Irving Bk. Columbia Trust Co., Port Sudan; 262 bgs., London City & Midland Bk., Port Sudan; Copal, 1,220 bgs., Central Union Trust Co., Antwerp; 700 bgs., W. Schall & Co., Antwerp; 340 bgs., Chem. Nat. Bk., Antwerp; 522 bgs., Order, Antwerp; 29 bgs., Order, Liverpool; **Tragacanth**, 56 cs., Order, Southampton
HERBS—17 pkgs., S. B. Pentick & Co., Bremen; 25 pkgs., Order, Bremen
HYDROGEN—Peroxide, 70 carboys, R. H. Coney, Hamburg
HYDROQUINONE SULFATE—2 cs., Roessler & Hasslacher Chem. Co., Hamburg
IRON OXIDE—150 bbls., Hummel & Robinson Corp., Malaga; 161 bbls., C. K. Williams & Co., Malaga; 16 bbls., Order, Malaga; 4 cks., E. M. & F. Waldo, Liverpool; 11 cks., J. A. McNulty, Liverpool; 84 bbls., Reichard Coulston, Inc., Malaga; 5 cks., Reichard Coulston, Liverpool; 22 cks., Order, Liverpool
JUICES—Juniper Berry, 2 cs., E. Kenest, Antwerp; **Lime**, 55 cks., A. D. Straus & Co., Dominica; 15 hhd., L. R. Potter Co., Dominica; 30 cks., Perry Ryer & Co., Dominica; **Paw Paw**, 16 pkgs., Carter Cummings & Co., Colombo
LEAVES—23 bgs., Beston Coffee Co., Marseilles; 93 bls., Order, Marseilles; 50 sks., Order, Marseilles; **Eucalyptus**, 435 pgs.,

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 Neroline—Yara Yara
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Amer. Exp. Co., Seville; Euphorbia, 9 bbls., Order, Tuticorin; Sage, 78 bbls., Erie R. R. Agent, Patras; Senna, 75 bbls., First Nat. Bk. Minneapolis, Tuticorin; 529 bbls., Order, Tuticorin

LICORICE—2 pgs., Leghorn Trdg. Co., Seville; Cuttings, 55 sks., Order, Marseilles

LIME—Citrate, 139 cs., C. Pfizer & Co., Messina; Nitrate, 916 cs., Order, Brevik

LUPULIN—1 cse., J. Sonnenschein Hop Co., Hamburg

MAGNESIUM—Chloride, 721 drs., Order, Hamburg; 250 drs., Order, Hamburg

MAGNESITE—Calcined, 12 cks., Frazar & Co., Hamburg

MYROBALANS—635 bgs., Order, Cocanada

PYRIDINE—6 drs., Order, Hamburg

NUX VOMICA—19 bgs., Order, Madras; 537 pkts., Order, Cocanada

OILS—Codliver, 165 bbls., Order, Bergen; 10 bbls., Schieffelin & Co., Bergen; 20 bbls., S. B. Penick & Co., Bergen; 50 bbls., W. Benkert, Bergen; 50 bbls., T. Nevin, Bergen; 50 bbls., Ozomulsion Co., Bergen; 100 bbls., P. R. Dreyer, Bergen; Olive, 100 bbls., Lazard Freres, Malaga; 150 cs., Equit. Trust Co., Malaga; 150 cs., A. F. Roloson, Nice; 100 bbls., 80 bxs., Order, Tarragona; 250 cs., Cartagena & Mamro, Seville; 1,365 pgs., Briones & Co., Seville; 100 bbls., Rome Imp. Co., Seville; 1,000 cs., J. B. Dewnap & Co., Seville; 300 bbls., First Nat. Bk. Boston, Seville; 100 bbls., Brown & Co., Seville; 500 cs., East River Nat. Bk., Seville; 100 cs., Elysee Olive Oil Co., Seville; 50 cs., J. Victory & Co., Seville; Palm, 30 bbls., Order, Liverpool; 877 cks., African & Eastern Tdg. Co., Hamburg; Sulfur, 100 bbls., St. Clair Oil Co., Seville; 204 bbls., J. B. Dewnap & Co., Seville; 400 bbls., Smith Weihman Oil Co., Seville; 400 bbls., E. H. Weill, Seville; 70 bbls., W. Schall & Co., Seville; 700 bbls., Order, Seville; Sperm, 30 bbls., Order, Glasgow

OILS, ESSENTIAL—2 cs., G. Lueders & Co., Marseilles; 14 drs., R. Bernard, Malaga; 3 drs., G. Lueders & Co., Malaga; 3 cs., Orbis Products Trdg. Co., Malaga; 3 cs., Orbis Products Trdg. Co., Havre; 11 cs., Ungerer & Co., London; 2 cks., 5 cs., G. Lueders & Co., Marseilles; 8 cks., Order, Marseilles; 6 cks., P. R. Preues, Grasse; 13 cs., Fritzsche Bros., Hamburg; Amilique, 3 bbls., Order, Barcelona; Fusel, 14 bbls., Order, Hamburg; 3 cks., A. Klipstein & Co., Hamburg; Geranium, 1 cse., H. L. Beney, Marseilles; 1 ck., Order, Marseilles; Lavender, 2 drs., Nat. City Bk., Alicante; Lemongrass, 11 drs., Order, Cochín; Lime, 1 drum, 1 cse., Goldman Sachs & Co., Dominica; Orange, 55 cs., Colonial Bank, Kingston; 10 cs., Park Benziger & Co., Kingston; Origanum, 11 drs., Goldman Sachs & Co., London; Rosewood, 6 drs., A. Chiris, Cayenne; Sandalwood, 24 cs., Order, Southampton; 4 cs., E. Fougere Co., London; Ylang Ylang, 9 cs., Dodge & Olcott Co., Marseilles

OPIUM—35 cs., Furness Withy & Co., Gothenburg; 20 cs., Order, Salonica

PALMYRA FIBRE—266 bbls., Volkart Bros., Calicut; 320 bbls., 60 ballots, Order, Cocanada

PIASSAVA—20 bbls., Eaton Schleich & Woll, Antwerp

POTASSIUM SALTS—8 cks., Brown Bros. & Co., Bremerhaven; 174 cks., T. Goldschmidt, Hamburg; 90 cks., A. Klipstein & Co., Hamburg; 16 bbls., Roessler & Hasslacher, Hamburg; 1,000 cks., Irving Bank, Hamburg; Alum, 78 bbls., Cooper & Cooper, Hamburg; 100 cks., Meteor Prod. Co., Hamburg; Caustic, 112 cks., Roessler & Hasslacher Chem. Co., Hamburg; 72 drs., Order, Hamburg; 142 drs., A. Klipstein & Co., Hamburg; Chlorate, 700 bbls., 400 cks., Order, Marseilles; 400 cks., Mech. & Metals Nat. Bk., Hamburg; 50 bbls., W. Schall & Co., Hamburg; Chloride, 2,400 cks., Mech. & Metals Nat. Bk., Hamburg; Metabisulfate, 15 cks., R. W. Greeff & Co., Hamburg; Perborate, 143 drs., Roessler & Hasslacher, Hamburg; Perchlorate, 50 cks., Order, Marseilles; Prussiate, 15 bbls., Order, Copenhagen; Sulfate, 200 bgs., Potash Imptg. Corp., Bremen

QUICKSILVER—250 flasks, Order, Alicante; 500 flasks, Order, Seville

ROOTS—96 bbls., Order, Marseilles; 198 bbls., Order, Hamburg; 40 bgs., Amer. Exp. Co., Hamburg; Gentian, 22 bbls., Eli Lilly & Co., Marseilles; Ipecac, 32 bbls., Nat. City Bk., Rio de Janeiro; Licorice, 154 bgs., Order, Piraeus; Medicinal, 3 bgs., Order, Piraeus; Sarsaparilla, 61 bbls., A. E. Rittwagen, Valencia; 50 bbls., D. L. Bretzfelder & Bros., Tampico

ROSIN—6 cs., Order, Marseilles

SAFFRON—1 cse., D. Kleckner, Havre; 1 cse., Order, Barcelona; 1 cse., Banque Belge pour l'Etranger, Alicante

SAL AMMONIAC—110 cks., Order, Hamburg; 142 cks., C. B. Richard & Co., Hamburg

SEEDS—Caraway, 172 sks., Order, Marseilles; Cardamom, 10 cs., Gale & German, London; Castor, 2,532 bgs., Order, Madras; 6,342 bgs., Order, Cocanada; Celery, 47 sks., H. J. Forbes Tea & Coffee Co., Marseilles; Coriander, 266 sks., Order, Marseilles; 128 sks., Order, Marseilles; 350 bgs., Order, Casablanca; Cumin, 345 sks., Order, Marseilles; Fennel, 17 sks., Nickells Rowland Co., Marseilles; 33 sks., J. Schoenegan, Marseilles; 15 sks., Order, Marseilles; 40 sks., Order, Marseilles; Flax, 17,560 bgs., Order, Rosario; Poppy, 250 bgs., Catz Amer. Co., Hamburg; Quince, 16 bgs., Order, Malaga; 8 bgs., Order, Malaga

SENNA—44 bbls., Order, Port Sudan; Pods, 15 bbls., First Nat. Bk. Minneapolis, Tuticorin

SERUM—1 cse., Lederle Antitoxin Laboratories, Barcelona

SHELLAC—500 bgs., Nat. City Bk., Calcutta; 300 bgs., Anglo So. Amer. Bk., Calcutta; 300 bgs., Standard Bk. of So. Africa, Calcutta; 756 bgs., Order, Calcutta; 1,456 bgs., Phila. Nat. Bk., Colombo; 836 bgs., Bk. of Montreal, Colombo; 144 cs., Phila. Nat. Bk., Colombo; Garnet, 31 bgs., Kasebier Chatfield Shellac Co., Hamburg; Seed Lac, 569 bgs., Phila. Nat. Bk., Colombo

SODIUM SALTS—Caustic, 100 drs., A. Klipstein & Co., Hamburg; 348 drs., T. Goldschmidt, Hamburg; 700 drs., F. H. Hollesen, Hamburg; Cyanide, 50 cs., Order, Liverpool; Cyanure, 280 cs., Asia Bkg. Corp., Marseilles; 168 cs., Nat. City Bk., Marseilles; 112 cs., Asia Bkg. Corp., Marseilles; Metallic, 11 cs., Bowring & Co., Hamburg; 56 cs., Bowring & Co., Bergen; Nitrate, 3,282 bgs., Order, Brevik; Prussiate, 23 cks.,

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PRIME CRYSTALS—HIGH YIELD
Minimum 99% Sodium Ferrocyanide

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Minimum 99% Potassium Ferrocyanide

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Order, Liverpool; Sulfate, 4 drs., C. S. Grant & Co., Hamburg; Superoxide, 50 cs., E. Suter & Co., Hamburg
 SOOT—50 bbls., Hummel & Robinson, Hamburg
 STRONTIUM—Sulfate, 3 cs., A. Klipstein & Co., Hamburg; 2,000 bgs., Order, Seville
 TARTAR—608 bgs., Tartar Chem. Wks., Marseilles; 198 bgs., Harshaw Fuller & Goodwin Co., Alicante; 769 sks., Tartar Chem. Wks., Marseilles; 264 sks., C. Pfäzer & Co., Marseilles; 60 bbls., Order, Hamburg;
 Cream, 100 cks., French Amer. Bkg. Corp., Marseilles
 TRICHLOROETHYLENE—468 drs., Roessler & Hasslacher Chem. Co., Hamburg
 VALONIA—1,695 bgs., Irving Bk.-Columbia Trust Co., Constantinople; 2,888 bgs., Order, Constantinople
 VANILLA BEANS—24 cs., G. Lueders & Co., Havre; 6 cs., J. Manheimer, Marseilles; 6 cs., Order, Marseilles
 WAX—600 bgs., Fidelity Intern. Trust Co., Hamburg; Bees, 25 cs., Nat. City Bk., Hamburg; 34 bgs., Sullivan Kyle & Co., Rio de Janeiro; 5 cks., T. Norton & Co., Santos; Carnauba, 75 bgs., Amer. Trdg. Co., Rio de Janeiro; Spermaceti, 38 cs., Order, Liverpool
 WOODFLOUR—1,350 bgs., Order, Bremerhaven; 558 bgs., Order, Hamburg; 2,000 bgs., Innis Speiden Co., Bergen
 WOOL GREASE—24 bbls., Order, Liverpool; 50 cks., Pfaltz & Bauer, Bremerhaven
 ZINC—Ammonium Chloride, 9 cks., Brown Bros. & Co., Liverpool; Chloride, 164 cks., Order, Hamburg; Oxide, 100 bbls., Order, Marseilles

Imports at San Francisco for the week ending Nov. 24 included the following: On steamer Ventura, from Pago Pago, to Bank of Italy 160 sacks cocoa beans, to Wightman & Crane 18 sacks cocoa beans and to the First National Bank 2,612 bags copra. On steamer Osiris, from Hamburg, to order 14 casks chloride, to Meyer Wilson & Co., 1,040 bags potash. On steamer Tahiti, from Sydney, to order 20 cases gelatin, from Auckland, via Wellington, to order 5 cases kauri gum; from Raratonga, to Wightman & Crane, 1,999 sacks copra, and to Atkins, Kroll & Co. 2,213 sacks copra; from Papeete, to Wightman & Crane 1,300 bags copra, to order 4,865 bags copra, to O'Connor, Harrison & Co. 2,668 bags copra and to Atkins, Kroll & Co., 2,463 bags copra. On steamer Dinteldyk, from Rotterdam, to order 75 barrels powdered gelatin and 23 barrels oxide of iron; from London, to Bank of California 65 bales cloves, to American Finance & Commerce Co. 45 bales cloves, to O. Giurlani & Bros. 560 cases olive oil, to order 1,375 cases and 500 barrels olive oil, 10 cases Epsom salts, 10 bags glue and 35 cases blueing.

Thomas Morgan died at Montreal on Nov. 28. He was 74 years old. He was born in Scotland and was graduated in chemistry at London University in 1881. Mr. Morgan was the first manufacturer of Portland cement in Canada, at a plant established at Longue Pointe, Que. He was the author of several works on chemical research which were published by the Chemical Society of Berlin, of which he was a life member.

Boyce-Veeder Corp., 68 Hunters Point Ave., Long Island City, N. Y., manufacturer of fire-extinguishing compounds, has acquired the plant of Gutta Percha & Rubber Mfg. Co., at Farmingdale, L. I., with 3½ acres of land and main factory building 100 x 250 feet. The company will manufacture carbon removers.

Prof. Irving Fisher, of Yale University, announces that last week's prices averaged 151 per cent of pre-war levels. The purchasing power of the dollar was 66 4-10 pre-war cents. The price average for November was 152 per cent, and the dollar's purchasing power 65 8-10 pre-war cents.

R. T. Simmons and M. D. Zuder, Forrest City, Ark., are organizing a company to establish and operate a local works for the production of special lime-sulfur solution for agricultural service. A local works will be equipped with machinery and operations commenced in the near future.

Illinois Glass Co., Bridgeton, N. J., with headquarters at Alton, Ill., has preliminary plans for rebuilding the portion of its plant recently burned. The structure, including blowing machinery and operating equipment, was valued at \$250,000.

Dr. Edwin E. Slosson, author of "Creative Chemistry" talked on "Ancient Scandals of Science" at the National Arts Club Galleries, on Wednesday evening, Dec. 5.

"Textile Colorist" has moved its offices to the Woolworth Building, New York, occupying suites 2104-2112.

The Editor's Correspondence

Patent On Diphenylguanidine

Editor, DRUG & CHEMICAL MARKETS:

We note on page 1481 of your November 28 issue that by reason of the United States Supreme Court refusing to review our litigation with the National Aniline & Chemical Co., the production of D.P.G. is not restricted to any one company. We would say that this statement is not in accordance with the facts, for the decision of the Circuit Court of Appeals for the Second Circuit declaring the patent to be invalid, only applies within the confines of the Second Circuit. Consequently, its use as a rubber accelerator in other localities is just as much as an infringement of our patent today as it ever was. The Supreme Court refused to review this litigation for the reason that it claims that it did not have jurisdiction inasmuch as there was no conflicting decision as yet in another Circuit on the same patent.

DOVAN CHEMICAL CORP.,

By: Van Lear Woodward, Vice Pres.

Ambruster Denies A Rumor

Editor, DRUG & CHEMICAL MARKETS:

Reports are being published in the daily and trade press, which imply that I have been engaged to operate a calcium arsenate plant at Monroe, Louisiana. These reports are absolutely incorrect and unfounded as I have no intention of discontinuing my activities or giving up my office in New York.

My connection with the company at Monroe, Louisiana has been merely of an advisory character, the service having been rendered some time ago and being similar to that which I have been giving as a consultant to numerous proposed and existing arsenical and insecticide enterprises since I opened my own office in this city.

New York City, Dec. 4. HOWARD W. AMBRUSTER.

NO INFRINGEMENT OF WATER SOFTENER

The decision of the United States District Court at Detroit, declaring void the patent of the Permutit Co., New York, on their zeolite water softening system, was rendered in a suit brought by the Permutit Co. to restrain the Wayne Tank & Pump Co., of Fort Wayne, Indiana, from manufacturing the water softener on the ground of patent infringement.

Judge Arthur J. Tuttle, who devoted nine days to the hearing, was aided by his knowledge of the German language, much of the testimony being given by witnesses brought here from Germany, by both plaintiff and defendant. Judge Tuttle declared, in his decision, that August Neumann, a civil engineer and filter manufacturer, of Reppen, Germany, a witness for the defendant, originated the first commercially successful zeolite water softener, and held that the Permutit Co. had no right to the exclusive use of the mineral known as zeolite, now found in New Jersey.

Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
 3 Park Place, New York.

BUSINESS OPPORTUNITIES

SALES AGENT—A live sales organization in New York desires to represent a manufacturer of chemical products in the Metropolitan District and for export. Long in business. Best standing in the trade. Expanding. Box 503, DRUG & CHEMICAL MARKETS.

CAPITAL WANTED—An experienced pharmaceutical man, graduate of Philadelphia College of Pharmacy and ten years selling and detail work has formula for a specialty which will require \$12,000 additional capital to make and exploit. Will make equal cash investment and offer half interest to man with ability and experience as an active partner. Box 517, DRUG & CHEMICAL MARKETS.

FOR SALE—Going toilet preparation firm, formulas—small plant in New York City—stock, bottles, etc. Profits average 38% for four years. Box 528, DRUG & CHEMICAL MARKETS.

DESK ROOM with stenographic and telephone wanted by New York sales agent of Mid-West chemical manufacturer. Box 526, DRUG & CHEMICAL MARKETS.

CHRISTMAS GREETINGS—Special greeting cards designed by well known advertising artist and printed or engraved to your order. Box 521, DRUG & CHEMICAL MARKETS.

ADVERTISING—If you desire to have your Want Ad read by people in the trade, try this page. While the average newspaper is about one or two percent effective as far as chemical wants are concerned, this page is read 100% by makers, sellers, and buyers of chemicals, drugs, and allied products. Five cents per word—one dollar minimum.

EXPORT SELLING—Established organization desires several new non-competitive lines in the chemical and drug field with exclusive export rights. Good connections. Can preside over the right line of goods. Box 507, DRUG & CHEMICAL MARKETS.

EXPORT CHEMICAL EXECUTIVE, practical, responsible, experienced, with a proven record as a producer of business, desires connection as export manager of A-1 firm. Capable of taking full charge and producing business immediately. Well known to importers and consumers of drugs, chemicals and allied lines in Latin America. Agents in principal cities. References. Box 491, DRUG & CHEMICAL MARKETS.

BUSINESS OPPORTUNITIES

ARTISTS FOR MANUFACTURERS—Clever layouts, snappy designs, photo retouching for advertisements, booklets, catalogues. JACOB STEIN STUDIO, 432 Fourth Ave., N. Y. C.

IF YOU MANUFACTURE specialties used in various consuming industries which could be sold in Southern Ohio, address Box 512, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

SALESMAN and PERFUMER—Experienced in Essential Oils, Fixed Oils and all kinds of Flavors, is open for proposition. Has also had some experience in buying. Box 514, DRUG & CHEMICAL MARKETS.

CHEMIST, B. S. degree, graduate, work organic and inorganic chemistry; 4 years' college teaching experience, desires position industrial concern, school or college. Box 515, DRUG & CHEMICAL MARKETS.

STARCH and DEXTRIN—Chemical engineer, M. I. T. graduate, two years practical experience in factory and development work, developed new methods of dextrin manufacture, liquid pastes, sizing mixtures, etc., desires connection where originality and resourcefulness are required. Box 516, DRUG & CHEMICAL MARKETS.

CHEMICAL SALESMAN looking for position with reliable concern, handling fatty oils, finishes, gums, etc. Has a large following in northern New Jersey. Box 525, DRUG & CHEMICAL MARKETS.

CHEMICAL SALESMAN—Experienced and reliable man will be open for engagement after January first because of change in firm's ownership. Box 519, DRUG & CHEMICAL MARKETS.

ENGLISHMAN with nine years experience selling industrial chemicals (four years in Canada) seeks connection in Canadian sales staff or as Canadian manager of American manufacturer or importer. Familiar with line; University graduate; good appearance and personality. Highest references from employers. Box 527, DRUG & CHEMICAL MARKETS.

LABORATORY ASSISTANT—Young Ph.D. chemist now in consulting office wants to work in the manufacturing field. Will begin at low salary if the work will give proper experience and holds promise of advancement. Box 406, DRUG & CHEMICAL MARKETS.

SITUATIONS WANTED

CHEMICAL ENGINEER of long experience will undertake the development of cellulose lacquers for reliable concern. Box 518, DRUG & CHEMICAL MARKETS.

ESSENTIAL OILS—Salesman who has been eleven years with two houses wants a job. Will go anywhere. Box 523, DRUG & CHEMICAL MARKETS.

CHEMICAL LABORATORY ASSISTANT—Young man (24) desires analytical or testing work in chemical laboratory. Experienced. Box 530, DRUG & CHEMICAL MARKETS.

SALESMAN—Experienced in medicinal chemical field, desires connection with progressive house. Speaks French and German. Box 504, DRUG & CHEMICAL MARKETS.

A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

PLANT MANAGER—Chemical Engineer, 41 years old, three college degrees, sixteen years practical experience will be available January 1st. Will not consider any but high class proposition with well established house. Is able to completely take charge of any chemical plant and is not only a trained technician but a good executive. Highest references. Box 495, DRUG & CHEMICAL MARKETS.

PHARMACEUTICAL CHEMICALS—Experienced, reliable salesman with good record is open for a position with future opportunity for a man who can produce real results. Box 404, DRUG & CHEMICAL MARKETS.

CHEMICAL ENGINEER, B. S. 1922 leading Eastern university; one year's experience; excellent past record and highest references. Box 511, DRUG & CHEMICAL MARKETS.

HELP WANTED

SALESMEN—Salesmanagers and executives throughout the chemical industry read DRUG & CHEMICAL MARKETS every week. If you desire to make a new connection, a Want Ad on this page will be read by real chemical people who are in need of salesmen. Use a specialized medium to reach a specialized field. Five cents per word—one dollar minimum per insertion.

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EXCELLENT CONDITION

5—Glen Falls Sulphur Burners. 48 in. diameter, 20 ft. length, with standard Glen Falls Steel Tank Combustion Chambers 7 ft. 6 in. in diameter and 10 ft. high. Each burner has rated sulphur burning capacity of 1,200 pounds per hour.

Also other equipment, consisting of feeder-boy, chain buckets, elevators, discharge spouts, sulphur cars and motors.

Write for specifications and Chemical Bulletin No. 14.

Old Hickory Powder Plant

Old Hickory, Tennessee

HELP WANTED

INDUSTRIAL CHEMIST—College man who has had some manufacturing and some selling experience. Must be able correspondent. Give age, initial salary, and firms worked for in the chemical field. Box 505, DRUG & CHEMICAL MARKETS.

WANTED—Stock clerk familiar with drugs and chemicals. State age, experience and salary. Box 529, DRUG & CHEMICAL MARKETS.

WANTED—A young man to represent an old established firm as City salesman. Straight commission basis. Opportunity for the right man. Box 524, DRUG & CHEMICAL MARKETS.

SHIPPING and ORDER CLERK wanted to take charge of New York warehouse. Write fully on experience and salary. Box 430, DRUG & CHEMICAL MARKETS.

CHEMICAL GRADUATE—Well-known firm requires services of recent college graduate in chemistry who has had some selling or other business experience, possibly six months. Salary moderate to start, but good opportunity for right sort of man. Prefer man who has been outside during short period. Box 508, DRUG & CHEMICAL MARKETS.

DRUGS AND CHEMICALS

CHINA WOOD OIL—Are you buying pure wood oil? Or, do you think that you are? Sampling and analysis by leading authority in New York means assured purity and saving of many dollars. Drop a card to Box 509, DRUG & CHEMICAL MARKETS for the real story of Wood Oil sampling.

WANTED TO BUY for spot cash, odd lots of pharmaceuticals, proprietaries, bottles, etc. Box 522, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED—All sizes and quantities of new and second hand carboys, steel drums and wooden barrels. Box 500, DRUG & CHEMICAL MARKETS.

WANTED—Enameled lined jacketed kettles, wooden tanks, also wooden filter presses 30" to 36". Give your available sizes and prices. Box 506, DRUG & CHEMICAL MARKETS.

FOR SALE—1 Standard Style A, U. S. Louisville Direct Pressure Bottle Filling Machine, complete with twelve tubes, two sizes. Machine in first class condition having been overhauled recently and can be purchased very reasonably. Liebhenthal Bros. & Co., 1436 W. 9th Street, Cleveland, Ohio.

PLANT EQUIPMENT

FOR SALE—Carload usable second hands 12 gallon carboys. Also carload 7 gallon carboys ideal for storage or inter-plant service. Box 513, DRUG & CHEMICAL MARKETS.

FOR SALE—500 gallon cedar tanks practically new in the Newark district. Dealers need not apply. Box 447, DRUG & CHEMICAL MARKETS.

FOR SALE—Bradford type mill 28" stone made by O'Wille Simpson, in A-1 condition. Box 467, DRUG & CHEMICAL MARKETS.

WANTED TO BUY—Laboratory apparatus, scales, platinum. Box 464, DRUG & CHEMICAL MARKETS.

MISCELLANEOUS

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

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The Dow Chemical Co.
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Electro Bleaching Gas Co.
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The Norvell Chemical Corp.
Perth Amboy Chem. Wks.
Pfaltz & Bauer
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